DOCUMENT RESUME

ED 114 980 EA 007 722

TITLE	Senior High School. Quarter Curriculum Student Guide, 1974.
INSTITUTION	Dundee Community Unit School District 300, Ill.
PUB DATE	[74]
NOTE	72p.; A related document is EA 007 721
EDRS PRICE	MF-$0.76 HC-$3.32 Plus Postage
DESCRIPTORS	*Course Descriptions; *Curriculum Guides; *Graduation Requirements; *Quarter System; Senior High Schools
IDENTIFIERS	*Illinois (Dundee)

ABSTRACT

This curriculum guide for the high schools in Community Unit School District 300, Dundee, Illinois, provides a description of the available programs, grading procedures, requirements for graduation, a semester to quarter conversion sheet, and course descriptions organized by department. (MLF)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED114980

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

SENIOR HIGH SCHOOL

Quarter Curriculum
Student Guide

Effective – September, 1974

For

COMMUNITY UNIT SCHOOL DISTRICT #300
405 NORTH 6th STREET
DUNDEE, ILLINOIS 60118

2

EA 007 722

Table Of Contents

STAFF, BUILDING PRINCIPALS 1

DESCRIPTION OF CURRICULA 3

- College Preparatory 5
- General Curriculum 5
- Vocational Curriculum 5

GRADING PROCEDURES 3

REQUIREMENTS FOR GRADUATION 5

FOUR YEAR PROGRAM 4

COURSE CONVERSION 6

DEPARTMENTAL OFFERINGS

- Applied Biological & Agricultural Related Occupations 35
- Art Department 54
- Business Marketing and Management 37
- Cooperative Education 42
- Driver Education 69
- English Department 7
- Foreign Language 30
- Industrial Oriented 46
- Mathematics 19
- Music Department 57
- Personal & Public Services 51
- Physical Education 61
- Science Department 25
- Social Studies 14

District #300 Staff

Kenneth E. Neubert ..... Superintendent

Donald H. Rich ..... Assistant Superintendent, Secondary Education

Reba Keeler ..... Head of Guidance

Administrative Center
405 North 6th Street
Dundee, Illinois 60118

HIGH SCHOOLS

Dundee Community High School
100 Cleveland Avenue
Carpentersville, Illinois 60110
Robert Sayre, Principal

Hampshire High School
State Street
Hampshire, Illinois 60140
Carl F. Brooks, Principal

Irving Crown High School
Kings Road
Carpentersville, Illinois 60110
John R. Lurain, Principal

To the Parent,

The curriculum in this guide was first conceived in 1972 as a desirable approach to provide flexibility for a rapidly expanding senior high school population.

The Board of Education authorized essential studies and projects by the professional staff to prepare for its adoption. The teaching staff, administration, Board members, students and community representation contributed to a final outcome.

The Board of Education adopted the total program on March 26, 1973.

Board members who served during the period of study and adoption included:

C. Cass Collins

Tom L. Gasche

Nancy Giovanitoni

Dorothy M. Kraebber

William C. Payne

George Rowley

Harry A. Spertus

Philip Whitehouse

Frederick Zierer, Jr.

If parents wish more detailed information about the curriculum or schedules, they may contact the Guidance Department of their respective high school.

QUARTER SYSTEM CURRICULUM

The Quarter System is simply an arrangement of the curriculum into 12 week courses. Three quarters (Fall, Winter and Spring) cover the normal September to June school year. A fourth quarter (Summer) is available for enrichment, make-up or seasonal offerings.

Some quarter courses are independent of all others, so that it makes no difference in what order the student enrolls. Others are sequential and must be completed in a specific order or as a unit.

Each course listed identifies necessary information in the following manner:

SAMPLE #1 — A required course for graduation

Course # Course Name Equivalent course from last catalog

120 Fundamentals of Oral Communication 115, 116, 117, 118

Grade:	9	= grade normally taken
Quarters:	1	= number of quarters required to complete course
Periods per week:	5	= number of required class meetings
Credit:	5 quarter hours	= credit for course
Prerequisite:	None	= no previous conditions for enrollment
	REQUIRED	= required for graduation

SAMPLE #2 — A 3-quarter sequence elective course *NOT* required for graduation

Course # Course Name Equivalent course from last catalog

708 Vocational Auto Lab 823

Grade:	11, 12	= grade levels normally taken
Quarters:	3 consecutive	= number of quarters to complete course, a 3-unit course
Periods per week:	15	= number of class periods per week, per quarter required
Credit:	30 quarter hrs.	= credit for 3-unit sequence or 10 quarter hours per quarter
Prerequisite:	Engine Theory and Mechanical Testing 701 and two additional courses	= Specific course and 2 elective area courses required prior to enrollment; *Elective* not required for graduation

NOTE: Courses marked with an asterisk will not be offered during the 1974-75 school year. They will be introduced as facilities allow and demand requires.

The advantages of the Quarter System are:

1) that it allows the student greater flexibility in selection of courses.

2) that it allows better opportunities to offer students courses required by law, such as Consumer Education, Sex Education, Drug Abuse Education and others.

3) that it allows the school to offer a full credit summer school program for enrichment.

4) that it allows the schools to be prepared to adapt more easily to a year around school program.

Students should, with the assistance of the Guidance staff, plan a four-year program to meet graduation requirements and career plans.

The normal minimum total of quarter hours is 22 to 25 quarter hours per quarter. Many students will desire additional work; however, no quarter course total can include more than 40 periods per week, excluding lunch.

GRADING PROCEDURES

Students receive only one report card at the conclusion of each Quarter for all courses. The basic information included is grade, credit and attendance. The students will receive a mid-term status report directly from each classroom teacher with the opportunity to discuss the basis for that evaluation.

Students are responsible for presenting these evaluations to the parent.

1974-75 School Year

1st Quarter (Fall) — August 30, 1974 to November 27, 1974

Mid-Quarter Grade Report — October 11, 1974

2nd Quarter (Winter) — December 2, 1974 to March 12, 1975

Mid-Quarter Grade Report — January 24, 1975

3rd Quarter (Spring) — March 13, 1975 to June 13, 1975

Mid-Quarter Grade Report — April 25, 1975

FOUR YEAR PROGRAM

NOTE: Students, in consultation with parents and counselors, are advised to prepare a tentative 4 Year plan of courses upon entering the Freshman year.

Student Name _____ Phone _____

Address _____ Date _____

City _____

REQUIRED Courses or Course Areas are Printed

FRESHMEN (9th grade)	Hours	Periods		Hours	Periods		Hours	Periods
Fall			**Winter**			**Spring**		
Mathematics	5	5	Mathematics	5	5	Mathematics	5	5
Science	5		Science	5		Science	5	
English 100 or 102	5	5	English 150 or 170	5	5	Speech 120	5	5
Health 900	5	5	Physical Educa. 904 or 943	2	5	Physical Education	2	5
TOTAL			TOTAL			TOTAL		

SOPHOMORE (10th grade)	Hours	Periods		Hours	Periods		Hours	Periods
Fall			**Winter**			**Spring**		
English 101 or 103	5	5	Speech 121 or Sp. Elective	5	5	English Elective		
Health 901	5	5	Driver Education	5	7	Physical Education	2	5
TOTAL			TOTAL			TOTAL		

JUNIOR (11th grade)	Hours	Periods		Hours	Periods		Hours	Periods
Fall			**Winter**			**Spring**		
Physical Education	2	5	Physical Education	2	5	Physical Education	2	5
English 155, 156, 184, 185, 186	5	5	English 157, 158, 184, 185, 186	5	5	English Elective	5	5
U. S. History 241	5	5	U. S. History 242	5	5	U. S. History Elective	5	5
TOTAL			TOTAL			TOTAL		

Senior (12th grade)	Hours	Periods		Hours	Periods		Hours	Periods
Fall			**Winter**			**Spring**		
Physical Education	2	5	Physical Education	2	5	Physical Education	2	5
Consumer Education 261	5	5	Senior Social Studies Elective	5	5	Senior Social Studies Elective	5	5
TOTAL			TOTAL			TOTAL		

REQUIREMENTS FOR GRADUATION

The following departmental requirements represent the minimum graduation requirements for all students.

1) 9 quarters of English (45 quarter hours)
2) 3 quarters in mathematics (This requirement should be met in the freshman year.) (15 quarter hours)
3) 3 quarters in science. (This requirement should be met in the freshman year.) (15 quarter hours)
4) 6 quarters (30 quarter hours) in social science: 3 quarters (15 quarter hours) in U.S. history during the junior year, 2 quarters (10 quarter hours) in authorized electives during the senior year; 1 quarter (5 quarter hours) in consumer education during the senior year.
5) A passing grade on an examination covering the federal and state constitutions, the Declaration of Independence, and flag etiquette.
6) Credit in physical education or health or driver education for each quarter of attendance in District #300. Total credit shall be 10 quarter hours health 5 quarter hours driver education; 18 quarter hours physical education; (33 quarter hours) Transfer students who have not received credit for physical education are not required to make up this credit.
7) A total of 260 quarter hours of credit of which a minimum of 40 quarter hours must be earned in District #300. In order to meet requirements a student must be enrolled in a minimum of 22-25 quarter hours per quarter.

In special situations these graduation requirements may be modified with approval of the principal.

VOCATIONAL CURRICULUM

This curriculum is designed for students interested in Business, Home Economics, Industrial Education and Cooperative Education in preparing for jobs in skilled occupations. Students in this curriculum must complete all requirements for graduation. Students should consult with their counselor to plan an appropriate course sequence for career entry.

GENERAL CURRICULUM

This curriculum is designed for students who desire to obtain a general background in preparation for further training in a trade or technical occupation as well as for sudents wishing to find employment immediately upon graduation from high school. In addition to completing the courses required for graduation, these students with the help of a counselor, *should carefully select their electives to meet graduation requirements.*

COLLEGE PREPARATORY CURRICULUM

College admission requirements vary among public and private colleges and universities throughout the country. Therefore, early in a student's high school program he should check the admission requirements of prospective colleges. This is valuable to the student, parents, and counselor so that a realistic pattern of courses may be selected each year.

Because of the wide variation of admission policies of colleges, the policy of the University of Illinois is cited (catalogue 1973-75) as a guide.

A. College of Agriculture, Institute of Aviation

	Quarter hours
10 academic credits earned must include:	
3 credits of English	45
1 credit of algebra	15
1 credit of plane geometry	15
	75

B. College of Education, Landscape Architecture, Dance, College of Physical Education

12 academic credits earned must include:	
3 credits of English	45
1 credit of algebra	15
1 credit of plane geometry	15
	75

C. Art, Music, Theater, College of Liberal Arts & Science

12 academic credits earned must include:	
3 credits of English	45
1 credit of algebra	15
1 credit of plane geometry	15
2 credits of foreign language	30
	105

D. College of Business and Business Administration

	Quarter hours
12 academic credits earned must include:	
3 credits of English	45
2 credits of algebra	30
1 credit of plane geometry	15
2 credits of foreign language	30
2 credits of laboratory science	30
2 credits of social studies	30
	180

E. College of Engineering, Combined Liberal Arts and Engineering, Architecture, Chemical Engineering, Chemistry, Physics, Geology

12½ academic credits earned must include:	
3 credits of English	45
2 credits of algebra	30
1 credit of plane geometry	15
½ credit of trigonometry	10
2 credits of foreign language	30
4 credits of combination laboratory science and social studies	60
	190

Elgin Community College, District 509 admission policy as of 1973:

A. A high school diploma or equivalent, or
B. For non-high school graduates 18 years of age or older
C. Transfer students from other colleges and universities
D. High school seniors for escrow credit with permission of the high school

COURSE CONVERSION SHEET

The course numbers within the parenthesis ( ) to the right of the course numbers and title indicate previous semester courses that are considered the same. The listing of numbers and titles below is to assist students in converting to the Quarter System.

English I	111, 112, 113, 114
English I Speech	115, 116, 117, 118
English II	121, 122, 123, 124, 125
English III	131, 132, 133, 134
Developmental Reading	135
Modern Thought in Literature	136
The Novel Since 1940	137
Youth in Literature	138
Science Fiction as Prophecy	139
The Poetry of Today	140
Fundamentals of Communications	141
British/American Drama	142
Masterpieces of English Literature Chaucer to Pope	143
Masterpieces of English Literature Wordsworth to Today	144
Traditional Grammar & College Composition	145
Shakespeare's Comedies	146
Shakespeare's Tragedies	147
Senior English	148
Journalism (Newspaper-School Publications)	175
Creative Writing	180
Expository Writing	181
Advanced Speech	185
Debate	190
Advanced Debate	191
Interpretation and Drama	195
Reading (non-credit)	196
World History	211
Civics	213
World Geography	214
Modern European History	221
U. S. History	231, 232, 233
American Government	241
Economics	242
International Relations	243
Sociology	244
Current Problems	249
Humanities	251
Algebra I	311
Modified Algebra I	313
Modified Algebra II	314
General Math I	315
General Math II	317
Plane Geometry/Solid	321
Plane Geometry	325, 326
Algebra II/Trigonometry	331
Algebra II	335
Fundamentals of College Math	341
Trigonometry	343
College Algebra	344
Computer Programming I	360
Computer Programming II	361
Calculus and Analytical Geometry	365
Physical Science (IPS)	411
Physical Science (IME)	414
Physical Science (IIS)	415
Biology	421, 423
Living Science	425
Chemistry	431, 433
Physics (PSSC)	441
Physics (Traditional)	442
Advanced Biology	445
Science Seminar	451
General Language	501
Spanish I	511
French I	514
Latin I	517
German I	518
Spanish II	521
French II	524
Latin II	527
German II	528
Spanish III	531
French III	534
Latin III	537
German III	538
Spanish IV	541
French IV	544
Latin IV	547
German IV	548
Introduction to Business Careers	601
General Business	611
Introduction to Typing	621
Vocational Typing I	622
Vocational Typing II	623
Intro. Typing & Voc. Typing I	624
Introduction to Bookkeeping	625
Vocational Bookkeeping I	626
Vocational Bookkeeping II	627
Introduction to Bookkeeping & Vocational Bookkeeping I	628
Stenography I	631
Stenography II	632
Fundamentals of Retail Selling	633
Marketing	634
Consumer Education	635
Business Law	636
Office Practice	641
Business English	642
Personal Typing	650
Data Processing	652
WECEP (classroom)	678
WECEP (training)	679
D.E. (class experience)	680
D.E. (training)	681
ICE (classroom)	682
ICE (training)	683
CWT (classroom)	696
CWT (work experience)	697
O.O. (classroom)	698
O.O. (training)	699
HERO (classroom)	690
HERO (work experience)	691
Basic Foods (Boys only)	723
Senior Girls Home Economics	738
Introduction to Home Economics Occupations	711
Intermediate Foods	721
Food Service Industry	722
Intermediate Clothing	725
Clothing Management and Textiles	726
Flat Pattern Design and Tailoring	727
Child Development	730
Care and Guidance of Children	731
Food principles and Preparation	732

COURSE CONVERSION SHEET

continued

Home Furnishings	735
Family Life	737
Introduction to Industrial Career Opportunities	801
Drafting	811
Drafting and Design	812
Advanced Drafting and Design	813
Auto Mechanics	821
Automotive Maintenance	822
Vocational Auto Shop (junior)	823
Vocational Auto Shop (senior)	824
Introduction to Metalworking Machines	831
Metal Trades	832
Vocational Machine Shop	833
Woodworking	841
Plastics	842
Vocational Building Trades	843
Electricity I	851
Electricity II	852
Electronics	853
Radio-TV Repair	854
Technical Math	861
Introduction to Agricultural Careers	871
Agricultural Engineering	872
Ornamental Horticulture	873
Animal Science	874
Soil and Plant Science	875
Farm Business Management	876
Conservation and Recreation	877
Agriculture Business Experience	878
Art I	901
Art II	902
Art III	903
Art IV	904
General Art	905
Freshman Girls Chorus	911
Freshman Boys Chorus	912
Sophomore Girls Chorus	921
Sophomore Boys Chorus	922
Sophomore Chorus	923
Advanced Girls Chorus	931
Advanced Boys Chorus	932
Chorale	941
A Cappella	940
Band (A)	951
Band (B)	952
Orchestra	953
Fundamentals of Music	960
Driver Education classroom	961
Driver Education behind-the-wheel	962
Integrated Driver Ed	963

ENGLISH DEPARTMENT

The English Department offers course selections under the three major headings — *Grammar and Composition, Speech* and *Literature*. A wide variety of interesting electives is offered to benefit all students.

Nine quarters of English are required of all students to meet graduation requirements — two quarters of Grammar and Composiion, two quarters of Speech and three quarters of Literature, plus two additional quarters from the English Department electives.

The required courses are offered at two ability levels. One is for the student who has demonstrated good reading ability and has earned average or above average grades in the department; the second level is for the student who has had more difficulty with reading and the skills of English.

CAREER ORIENTED

The courses listed below represent the offerings which meet the requirements for graduation and are designed for the student who needs special emphasis on developing basic skills of reading and written communication.

COMPOSITION AND GRAMMAR

Required: Two quarters

100 Career Communicatiom — Grade 9

101 Advanced Career Communications — Grade 10, 11, 12

SPEECH

Required: Two quarters

120 Fundamentals of Oral Communication — Grade 9

121 Communication for Personal Interaction — Grade 10, 11, 12

LITERATURE

Required: Three quarters

150 Literature of Suspense I — Grade 9

At least one of the following is required:

155 Masterpieces of American Literature to the Civil War — Grade 11, 12

156 Masterpieces of American Literature Post Civil War — Grade 11, 12

At least one of the following is required:

157 The South As Portrayed Through Literature — Grade 11, 12

158 Literature of the Old West — Grade 11, 12

Additional Electives by Course Number: 122, 151, 152, 153, 154, 159, 160

ENGLISH DEPARTMENT
continued

COLLEGE PREPARATORY

The courses listed below represent the offerings which serve the student who has demonstrated success in English. Twelve quarters of work are recommended for those students whose plans include a continuation of their education beyond the high school level. Most colleges and universities either require or recommend this as a minimum. Four quarters of Grammar and Composition, three quarters of Speech and five quarters of Literature are recommended.

COMPOSITION AND GRAMMAR

Required: Two quarters
102 Modern Grammar & Composition — Grade 9
103 Basic Composiion — Grade 10, 11, 12

At least two of these are strongly recommended:
135 Understanding the Media — Grade 10, 11, 12
106 Creative Writing I — Grade 10, 11, 12
107 Creative Writing II — Grade 11, 12
108 Journalism I — Grade 10, 11, 12
104 Advanced Composition — Grade 11, 12

SPEECH

Required: Two quarters
120 Fundamentals of Oral Communication — Grade 9

At least one of these is required:
123 Oral Interpretation I — Grade 10, 11, 12
133 Advanced Public Speaking — Grade 10, 11, 12
128 Logic and Research — Grade 10, 11, 12

LITERATURE

Required:Three quarters
170 Literature of Suspense II — Grade 9

At least two of these are required:
184 Masterpieces of American Literature to the Civil War — Grade 11
185 Masterpieces of American Literature — Post Civil War — Grade 11
186 The South As Portrayed Through Literature — Grade 11, 12

At least two of the following are strongly recommended:
190 Shakespeare's Tragedies — Grade 11, 12
189 Introduction to Shakespeare — Grade 11, 12
187 English Literature — Chaucer to Pope — Grade 12
188 English Literature Wordsworth to Today — Grade 12

At least one of the following is strongly recommended:
172 Man and Myth — Grade 10, 11, 12
173 Modern Thought — Grade 12
181 Non-Fiction Literature — Grade 11, 12
178 Russian Literature — Grade 11, 12

Additional Electives by Course Number: 105, 109, 110, 111, 122, 124, 125, 126, 127, 129, 130, 131, 132, 135, 136, 171, 174, 175, 176, 177, 179, 180, 182, 183, 191, 192

---

100 CAREER COMMUNICATION (113, 114)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	REQUIRED of freshmen not enrolled in Modern Grammar & Composition 102

Through the use of a daily newspaper and related materials, students in Career Communication study the following skills: capitalization, punctuation, spelling, sentence construction, usage, dictionary skills, as these skills relate to everyday writing (for example: letters, advertisements, request and application forms).

101 ADVANCED CAREER COMMUNICATION (123, 124)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	REQUIRED Career Communication 100

In this course magazines are used to develop an understanding of technical writing and the writing of instructions. Students learn the preparation and correction of letters and job and loan applications.

102 MODERN GRAMMAR & COMPOSITION (111, 112)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None REQUIRED for the college bound student

In this course emphasis is placed on the construction of the sentence. This study is related to writing good sentences within a theme.

103 BASIC COMPOSITION (121, 122, 131, 132, 133)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	REQUIRED FOR GRADUATION Modern Grammar & Composition 102

This course is a survey of development of the types of themes, including contrast and comparison, argument, judgement, expository and analysis.

104 ADVANCED COMPOSITION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Compositon 103

This course is a continuation of Basic Composition 103.

105 TRADITIONAL GRAMMAR & COLLEGE COMPOSITION (145)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course is intended for those seniors who plan to attend college and wish to improve their writing skills. It is an attempt to prepare the student for his freshman English courses. It involves a study of the elements of the English language. Students discuss these elements and their importance and use them in expository writing, argumentative essays, and in a research paper.

106 CREATIVE WRITING I (180)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Composition 103

This course is designed to introduce students to different types of expressive writing. The student is exposed to sense perception, dialogue writing, figurative language, sense-oriented writing, stream of consciousness, sound language, characterization and the themes of poetry and stories.

ENGLISH DEPARTMENT
continued

107 CREATIVE WRITING II (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Creative Writing I 106

In this course the student reads and analyzes forms of the short story, drama and poetry. He is given an opportunity to recreate and explore new styles.

108 JOURNALISM I (175)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit	5 quarter hours
Prerequisite:	Basic Composition 103 or consent of instructor

This course is designed for the student interested in newspaper reporting. Students learn the basics of journalism through actual news assignments for the school paper. The student becomes familiar with writing styles and the story types common to the newspaper.

109 JOURNALISM II (175)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Journalism I 108

In this course the student is given the opportunity to refine the styles and techniques he has acquired in Journalism I. In addition, the student has an opportunity to study photojournalism, advertising design, sales techniques, lay-out procedures and printing methods.

110 JOURNALISM III (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Journalism II 109 and teacher approval

This is the final course in the journalism sequence. The student polishes previously developed skills by assigning and editing articles required of Journalism I and Journalism II students. Emphasis is placed on the actual organization and production of the school newspaper and the study of journalistic techniques in the other communication media (magazines, television, radio).

111 MEDIA RESEARCH & PRODUCTION TECHNIQUES (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed for students interested in developing skills for research and for production of audio visual materials. Students acquire a basic knowledge of audio visual production and utilization as well as a working knowledge of equipment operation.

120 FUNDAMENTALS OF ORAL COMMUNICATION (115, 116, 117, 118)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

REQUIRED FOR GRADUATION

This course helps students develop skills in speaking and listening. Activities include, public speaking, group discussions, oral interpretations, studies of radio, TV and drama.

121 COMMUNICATION FOR PERSONAL INTERACTION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Career Communication 100

REQUIRED FOR GRADUATION

This course is a study of everyday communication experiences. It includes a study of the methods of communicating without language.

122 ADVANCED ORAL COMMUNICATION (185)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed for upper classmen who need to meet the speech or English requirement for graduation. Basic skills in oral communication are re-emphasized.

123 ORAL INTERPRETATION I (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course is an introduction to the techniques required in selecting and preparing worthwhile prose, drama and poetry for oral presentation. Methods of analyzing audiences, recognizing authors' intent and improving ability to convey total meaning of material through controlled use of voice and body, are studied.

124 ORAL INTERPRETATION II (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Oral Interpretation I 123

This course is a study of group program forms for different types of literature and audiences. Students study techniques for presenting choral reading, readers' theatre and chamber theatre.

125 DEBATE I (190)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Fundamentals of Oral Communication 120

In this course students learn the art of debating. Through analyzing debate topics and varying types of evidence, students learn to distinguish between the vital and the unimportant.

ENGLISH DEPARTMENT
continued

126 DEBATE II — Current National Topics (191)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Debate I 125 or consent of instructor

This course is a practical application of debate skills and theory designed for the co-curricular debater. The course involves extensive study and research on the current national topics.

* 127 DRAMA AS A LITERARY ART (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Fundamentals of Oral Communication 120

In this course students explore dramatic literature from Aeschylus to Albee. Since many plays are read and discussed, *above average reading ability is a requisite.* The course involves the study of the elements of drama as well as the development of techniques and conventions used by playwrights. Emphasis is placed on oral interpretations, the study of audience reaction and inter-student contact and participation.

* 128 LOGIC AND RESEARCH (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course is designed to increase the student's ability to think critically. Emphasis is placed on the areas of inductive and deductive reasoning. Students learn the techniques of research. This course is recommended for the college bound student.

129 INTRODUCTION TO THE THEATER (195)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course is a survey of all aspects of theater arts. The student is introduced to the study of theater history, theater architecture and styles of dramatic literature. The course introduces such production aspects as acting, stagecraft, make-up, costuming and theater management.

130 ACTING I (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to the Theatre 129

In this course stage performance is taught as a skill rather than as "natural" ability. In learning the skill students study movement on stage, development of the voice, terminology used in giving stage directions and how to make a play a give-and-take group effort. Activities include stage exercises, improvisations and short scenes.

* 131 STAGECRAFT (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to the Theatre 129

This course is an introduction to the study and practice of the varying phases of dramatic production including technical theater, stagecraft, lighting, scene design, costuming, make-up and business management. Specific scenic problems that are characteristic of individual productions are discussed. Students work on the construction of sets for school productions.

* 132 PERFORMING ARTS (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Acting I 130

This course includes advanced acting techniques, creating a role on stage, advanced stage movement, and scene production. Students study special techniques for comedy, farce, melodrama and tragedy. Advanced play production, a study of directing techniques and production of plays is included.

133 ADVANCED PUBLIC SPEAKING (185)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

In this course students explore the effectiveness of successful public speakers and gain a greater understanding of the techniques of persuasion. Students research oral communication techniques, and prepare and deliver speeches. Emphasis is placed on oratory, extempore speaking, and declamation.

135 UNDERSTANDING THE MEDIA I (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Composition 103 or consent of instructor

This course analyzes basic format and style of the newspaper, TV, radio, and film forms. Investigation of the techniques and the structure of these media are emphasized through projects.

136 UNDERSTANDING THE MEDIA II (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Composition 103 or consent of instructor

In this course films are viewed and papers written in terms of theme, plot, characterization and camera effects. Camera techniques are demonstrated and a film project is required.

ENGLISH DEPARTMENT
continued

150 LITERATURE OF SUSPENSE I (None)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Career Communications 100
REQUIRED FOR GRADUATION

This course is designed for the career oriented student. The elements of suspense are studied through short stories, plays, novels, with emphasis on enjoyment.

151 ANIMALS IN LITERATURE (None)

Grade: 9, 10
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is designed for students interested in animals. Novels and short stories are informally discussed with emphasis on enjoyment.

152 LITERATURE OF SPORTS (None)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is designed for sports enthusiasts who have a desire to read and study the world of the athlete. Novels and short stories by authors such as Vince Lombardi, Joe Willie Namath, Jerry Kramek, Gayle Sayer, etc., will be studied.

153 TEEN AGE ROMANCE (None)

Grade: 10, 11
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course includes reading novels, short stories and poetry to reach a greater understanding of problems arising in the life of a teenager.

154 SCIENCE FICTION (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Career Communications 100

This course explores the extent to which science fiction might be an indicator of the future. Social and technological concepts in literature will be analyzed and discussed.

155 MASTERPIECES OF AMERICAN LITERATURE — To the Civil War (None)

Grade: 11
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Career Communications 100

This course is designed for the career oriented student. Major works by American writers from the Colonial Period to the Civil War are studied.

156 MASTERPIECES OF AMERICAN LITERATURE — Post Civil War (None)

Grade: 11
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Career Communications 100

This course is designed for the career oriented student. Major works by American writers from the Civil War to Modern times are studied. Literature dealing with social problems in America are read.

157 THE SOUTH AS PORTRAYED IN LITERATURE (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Career Communications 100

This course is a portrait of the smouldering South as seen through the eyes of Faulkner, O'Connor, McCullers and Mitchell.

158 LITERATURE OF THE OLD WEST (None)

Grade: 11
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Career Communications 100

This course is a realistic and exciting view of the settlement of the Old West. Short stories, novels and poems are included.

159 READING IN CONTENT AREAS (None)

Grade: 9, 10, 11, 12
Quarters: As many as the student needs
Periods per week: Flexible
Credit: Flexible
Prerequisite: Teacher referral

This is a course to help a student in a specific subject matter area which is troublesome to him. This is done in conjunction with the referring teacher and the subject matter textbook. Further work is also done in strengthening his general vocabulary and background information in that subject.

160 FUNCTIONAL READING (None)

Grade: 10, 11
Quarters: As needed
Periods per week: Flexible
Credit: Flexible
Prerequisite: None

This course is designed to develop the ability to locate needed reading material through the use of the index, table of contents, dictionary, encyclopedia, library card files and other bibliographical aids. It increases the ability to comprehend informational material through the application of general comprehension skills.

170 LITERATURE OF SUSPENSE II (None)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Modern Grammar & Composition 102
REQUIRED FOR GRADUATION

This course is designed for the average student. Elements of suspense are investigated through short stories, plays, novels and poetry with emphasis on enjoyment.

ENGLISH DEPARTMENT
continued

* 171 LITERATURE OF WAR (None)

Grade:	10, 11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course the student co[illegible]s himself with the struggles, conflicts, psychological an[illegible]otional reactions to war. Novels, short stories and poems are read and discussed.

172 MAN AND MYTH (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course is a comparative study of world mythology including Greek, Roman, Norse, Indian and Black.

173 MODERN THOUGHT (136)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course examines the trends of thought underlying the twentieth century as reflected in literature. This includes topical contemporary issues as well as deeper philosophical movements.

174 NOVEL SINCE 1940 (137)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammer & Composition 102 or consent of instructor

This course examines a variety of novels written since 1940 with an emphasis on their styles, structures and themes.

175 YOUTH IN LITERATURE (138)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course examines the literary treatment of young people in various forms of literature. This course gives both non-college and college bound students insight into the problems of youth.

176 SCIENCE FICTION (139)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course explores the extent to which science fiction might be an indicator of the future. Social and technological concepts in literature are analyzed and discussed.

177 POETRY OF TODAY (140)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Compositon 102 or consent of instructor

This course examines contemporary poetry in terms of traditional in styles and structures as well as experimental patterns. Modern song is included. Poetic terminology is explained and illustrated.

* 178 RUSSIAN LITERATURE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Junior standing

This course studies Russian novels and poetry encompassing the themes of love, war and psychology.

179 BLACK LITERATURE (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed to acquaint the student with the Black culture from early historical times to the present through literature, records, films, etc.

* 180 FANTASY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a study of incredible and far-out novels and short stories other than science fiction. It includes Lewis Carroll, Krafka, Tolkien and other famous fantasizers.

* 181 NON-FICTION LITERATURE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 qu[illegible]ter hours
Prerequisite:	None

This course is a study of non-fiction as it relates to contemporary social issues such as ecology, population, social injustice, and poverty.

182 WHY MAN LAUGHS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course studies various types of humor and the causes for laughter. Novels, short stories, poetry, cartoons and films are investigated as a basis for discussion.

ENGLISH DEPARTMENT
continued

183 LITERATURE OF THE OLD WEST (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course is a realistic and exciting study of the settlement of the Old West. Short stories, novels and poems are included.

184 MASTERPIECES OF AMERICAN LITERATURE — To the Civil War (131, 132)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course surveys American literature from the Colonial Period to the Civil War. Three major ideas are the focus of class discussions: the establishment of a national identity, the role of the writer in society, and the search for the American Dream.

185 MASTERPIECES OF AMERICAN LITERATURE — Post Civil War (131, 132)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course is a study of American literature from the Civil War to 1920. Students study the literature dealing with social reforms of this era and with the literature of the Industrial Revolution and the rise of the middle class in America.

186 THE SOUTH AS PORTRAYED IN LITERATURE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102

This course is a portrait of the smouldering South as seen through the eyes of Faulkner, O'Connor, McCullers and Mitchell.

187 MASTERPIECES OF ENGLISH LITERATURE — Chaucer to Pope (143)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course is not an anthology course but concentrates on some of the greatest writers of the period from the 13th to the 18th centuries. Political and social influences upon these writers are studied, as well as the contributions these writers made to society and succeeding writers.

188 MASTERPIECES OF ENGLISH LITERATURE — Wordsworth to Today (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course is a study of the poetry of the Romantic Period. The Victorian Period is analyzed.

189 INTRODUCTION TO SHAKESPEARE (146, 147)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor

This course is for the average student. It includes selected works of Shakespeare.

190 SHAKESPEARE'S TRAGEDIES (147)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modern Grammar & Composition 102 or consent of instructor.

This course is an in-depth study of Shakespeare's finest works. The study of the tragic hero and the nature of tragedy is included.

191 DEVELOPMENTAL READING (135)

Grade:	10, 11, 12
Quarters:	As needed
Periods per week:	Flexible
Credit:	Flexible
Prerequisite:	None

In this course the student works toward developing a large sight vocabulary, skill in identifying unfamiliar words, good eye movement habits, speed and fluency in silent reading and developing oral skills, phrasing, expression, pitch, volume, etc. The student develops skills in reading comprehension and the ability to grasp the meaning of units increasing size, phrase, sentences, paragraph, whole selection. Ability to find answers to specific questions, to select and understand main ideas and to understand sequence of events.

192 ACCELERATED READING (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is for the average or above student. It develops the ability to increase reading speed while learning to grasp means of improving comprehension. It also includes skills in skimming and scanning as well as teaching different speeds for different types of reading material.

SOCIAL STUDIES DEPARTMENT

The Social Studies Department has four major goals. First, every student will be given opportunities to learn more about his world through involvement with the numerous social sciences and history. Second, the ability to think critically about issues will be systematically developed. Third, value dilemmas will be studied to help students develop their value systems and to recognize that numerous value systems exist in balance in our society. Lastly, students will have opportunities to apply their knowledge in the "real" world.

In order to achieve these objectives, students are encouraged to pursue their interests by taking courses beyond the "required" level in favorite areas and by sampling courses in new areas. As students begin to determine their career plans, they should discuss these with teachers and counselors in order to plan the best possible social studies program.

201 CIVICS I — American Political Institutions (Civics 213)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a study of the background of American political traditions from Greece, Rome and England, and the early American political practices and ideas, i.e., Colonial Government, Declaration of Independence, Articles of Confederation and the Constitution. This course is a survey of the "why" and "how" of American government.

202 CIVICS II — Federal Government and the Individual (Civics 213)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Civics I 201

This course is an investigation of the role of the federal government in America through the workings of the three branches, executive, legislative and judicial. The "how" and "why" of making, enforcing and interpreting laws is studied. A study of political campaigns, conventions, voting and political parties is included.

203 CIVICS III — State and Local Government and the Individual (Civics 213)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course includes a study of the role of state and local government in American life through the workings of state government, county and community governments. Special districts are studied such as library, school and sanitation districts. How to recognize and help solve community problems such as flood control, zoning laws, sewage, housing, pollution and recreation will be considered.

204 GOVERNMENT I — American Political Behavior (American Government 241)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	U.S. History I 241 —The American Revolutionary Experience Upper 50% of class

In this course social science data is utilized to understand why Americans use political means to attain their goals and how politics is related to the American culture. Topics of study include the influence of culture, socialization, socio-economic status, alienation and loyalty, election campaigns, voting and leadership selection upon popular voting.

205 GOVERNMENT II — American Political Decision-Making (American Government 241)

Grade:	12
Quarters:	1
Credit:	5 quarter hours
Periods per week:	5
Prerequisite:	Government I 204 or consent of instructor

In this course social science data is utilized to develop an understanding of political decision-making. The process of decision-making in the presidency, congress, supreme court and federal bureaucracy is studied. The role of unofficial political specialists such as interest groups, mass media, party bosses and experts is included.

211 GEOGRAPHY I — Introduction to World Geography (World Geography 214)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a basic study of the interrelationship between people and their natural surroundings. Mapping techniques, weather and climate, landforms, natural resources and conservation are the major topics studied.

212 GEOGRAPHY II — Study in Regional Geography (World Geography 214)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Geography I 211

This course is a study of the interrelationship of man and his home area. Some of the topics considered are: Regional North America Manufacturing and Agriculture, Regional Europe and the U.S.S.R., Regional Asia and Australia, Regional Africa, Regional Latin America.

213 GEOGRAPHY III — Urban Land Use and Population (World Geography 214)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a historical approach to the development of cities and the distribution and density of population. Skills are developed in map techniques, chart and graph analysis and reading of aerial photographs.

214 GEOGRAPHY IV — Cultural Geography (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a study of cultural relativity, factors of cultural diffusion and cultural patterns other than one's own.

SOCIAL STUDIES DEPARTMENT

continued

215 GEOGRAPHY V — Physical Geography (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

This course is a study of the basic facts concerning the earth as the home of man, so that the student may realize the importance and understand the relationship of the problems to his own time and place.

* 216 GEOGRAPHY VI — Geography in U.S. History (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Any Geography or History course

This course is a study of the earth's physical features, such as mountains, rivers, climates and mineral deposits and the influence on the types of settlements, the types of economies, the routes and methods of transportation, the migration patterns and the wars in the United States.

221 WORLD STUDIES I — Ancient Man to the Beginning of Exploration (World History 211)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a study of man's beginnings and early history of his accomplishments and blunders from caveman to Columbus.

222 WORLD STUDIES II — The World from 1500-1800 (World History 211)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course will focus attention on nations such as France, England, Spain, Italy, Germany, Russia and China and how they developed. It includes a study of the conflicts between these nations, and how each government treated its people and how the people reacted to their government.

223 WORLD STUDIES III — The World of the 19th and 20th Centuries (World History 211)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a study of man's progress and setbacks during the 1800's and 1900's, including: the rise of Germany and Italy, World War I, World War II, Korea, Middle East, Ireland and Vietnam. The course will emphasize the two centuries as a single unit in an attempt to understand the world of the 1970's.

224 WORLD STUDIES IV — History's Great Men and Women (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

This course studies the question, Does history create the "great" men and women or do the "great" men and women create history? Students select the men and women they wish to study.

225 WORLD STUDIES V — The World's Political Revolutions (Modern European History 221)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

This course is a study of the governments of America, France, England, Russia and China which have all been forged by revolution. What did these revolutions have in common? Did they follow a pattern? Were the results of each revolution the same? Did the revolutionary leaders share common characteristics? These questions and others are answered in this course.

226 WORLD STUDIES VI — The "Isms" of History (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

This course includes a study of Despotism, Socialism, Fascism, Communism and Capitalism. People and societies have come into conflict because of these systems. Students have a chance to discover the meaning and power of each by evaluating them and then creating their own "ism" systems.

* 227 WORLD STUDIES VII — Russia Since the Revolution (Modern European History 221)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

This course includes a brief survey of Russian history to 1900 and an in-depth study of the individuals who participated in the revolution and helped create a new form of government.

* 228 WORLD STUDIES VIII — History of Modern England (Modern European History 221)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

This course is a study of England since 1815, emphasizing the 20th Century and how the British people reacted to situations at home and abroad. It traces the gradual decline of British influence in the world through the rise of Germany, Russia, China and the United States. Problems within the British Empire that have accompanied its decline as a first rate power are studied.

231 HUMANITIES I — Man Interprets His World (Social Studies 251)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is an exploration of human life and thought throughout the history of the world. The course centers upon the concepts of man's search for meaning in life, his appreciation of the world around him, and methods of expressing his thoughts.

232 HUMANITIES II —The Open Mind: In the Twentieth Century (Social Studies 251)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is an exploration of human conditions in the twentieth century. The course centers upon the psychology of man by inquiring into his behavior, particularly his inhumanity and his humanity.

* 235 ANTHROPOLOGY I — Stones and Bones (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

Anthropology is the study of man's patterns of development. These patterns include the origin of human nature, the evolution of society and social groups, and speculation about the future. Students conduct their study as anthropologists and archeologists would, using artifacts, site diagrams and other source material.

* 238 PHILOSOPHY I — The Ideas of Man (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of instructor or upper 50% of class

Since man's beginning as a thinking creature he has been revealing ideas. Throughout history a few uniquely perceptive and intelligent men have proposed ideas that greatly influenced the societies of their times and those that followed. The world's economic, political, social, educational and religious systems all owe their fabric to these ideas. The purpose of this course is to identify and survey these ideas.

241 or 296 U.S. HISTORY I — American Revolutionary Experience (U.S. History 231, 232, 233)

Grade:	10, 11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Junior standing or consent of instructor

REQUIRED FOR GRADUATION

This course is a study of the American Revolution tracing the background and creation of the American Constitution. It is a survey of the successes and failures of the government formed by that document. The unit culminates in a brief look at the Civil War and Reconstruction, with emphasis on the conflicts that occurred during the Civil War era. The required examination on the United States and Illinois Constitution is given during the quarter.

242 or 297 U.S. HISTORY II — America's Rise to World Power (U.S. History 231, 232, 233)

Grade:	10, 11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Junior standing or consent of instructor

REQUIRED FOR GRADUATION

This is a survey of the factors that were significant in helping the United States achieve "world power" status. Business, industry, labor, overseas expansion and conflict situations from Reconstruction to the present are studied. Together with the course "The American Revolutionary Experience" this required course intends to provide the student with the knowledge and skills necessary to a good understanding of the whole range of United States history.

* 243 U.S. HISTORY III — The Colonial Adventure (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course begins with a study of the natives of North America, and surveys the development of the New World. Topics covered include: the period of discovery and exploration, New Spain, New France and the English Colonies. Contrasts are drawn to help explain why the English colonies achieved the type of success they did. The political, economic and social ideas of the colonists are examined for their impact on later American history.

244 U.S. HISTORY IV — The Frontier and the Wild West (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course traces the importance of the "Frontier" in American history based on Turner's Frontier Theory. The major emphasis is conflicts that took place between: the Indians and the white man, ranchers and farmers and the 49'ers and the Spanish of California. Groups such as mountainmen, vigilantes and outlaws are examined for their impact on development of the West.

245 U.S. HISTORY V — Slavery, the Civil War and Reconstruction (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is an in-depth study of the social, economic and political causes and effects of the Civil War. Major topics included are: slavery, nationalism and sectional differences, the anti-slavery movement, the war itself, reuniting the country and implications of the war today.

246 U.S. HISTORY VI — The 20's, Great Depression and Today (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course traces the history of the United States from 1920 to the present. It compares the period after World War I with the era after World War II, and the problems that resulted from each war. The course highlights the times of Presidents Harding, Coolidge, Roosevelt, Truman, Eisenhower, Kennedy, Johnson and Nixon. It also emphasizes men and social movements outside of government that influenced these years.

247 U.S. HISTORY VII — Minorities in America (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is a study of minority groups as a social phenomenon in America — past and present. The problems of minority groups such as poor white, blacks, Indians, Chicanos and Asian-Americans are studied to determine their impact on everyone's life.

* 251 PSYCHOLOGY I — A Scientific Approach to Looking at Ourselves (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Consent of instructor or upper 50% of class

This course introduces the student to the basic principles and an analysis of individual behavior. The major topics are: The Scientific Study of the Behavior of Individuals, Theories of Learning, and Personality Development.

* 252 PSYCHOLOGY II — Human Behavior (None)

Grade: 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Psychology I 251, or consent of instructor

This course is a continuation of Psychology I. The topics are emotions, adjustment in group situations and finding our goals. The emphasis is placed on utilizing the concepts learned in Psychology I and to apply the knowledge gained in this course to better understand their own behavior.

255 SOCIOLOGY I — A Study of the Society of Men (Sociology 244)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Consent of instructor or upper 50% of class

This course is designed to introduce the student to the basic concepts in the analysis of the behavior of man in human groups. Emphasis is placed on the development of objective and critical thinking for the understanding of certain major concepts. The topics covered are: Sociology as a Social Science, Culture, Socialization and Social Organization.

256 SOCIOLOGY II — Group Behavior (Sociology 244)

Grade: 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Sociology I 255 or consent of instructor

This course studies the social stratification and institutions which include the family, religon, education, law, leisure and social change.

261 CONSUMER EDUCATION I — The Consumer (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Senior standing or consent of instructor
REQUIRED FOR GRADUATION

This course is a study of that which affects decision-making in the marketplace. Emphasis is placed upon installment purchasing, budgeting, comparison of prices and related topics. The consumer education program lays the foundation for students to understand their role as consumers and more importantly to translate basic concepts into action.

264 ECONOMICS I — Economic Man in the Marketplace (Economics 242)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Consent of instructor or upper 50% of class

This course is designed to acquaint students with the fundamental principles of economics. Areas of study include — the allocation of resources, price determination, the productive process (the role of the entrepreneur) and manpower resources in the market.

265 ECONOMICS II — The American Economy (Economics 242)

Grade: 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Economics I 264 or consent of instructor

Using principles defined in Economics I, this course concentrates on the use of fiscal and monetary tools. The role of the public and private sectors in cooperatively achieving the basic economic goals of full employment, price stability and economic growth is the basic area of emphasis.

271 INTERNATIONAL RELATIONS I — Principles of International Relations (International Relations 243)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	America's Rise to a World Power — U.S. History II 242 or 297 or upper 50% of class

This course is a study of International Relations principles through a systematic approach to the problems concerning the political, economic, social, cultural and military factors of nation-states through interacting with each other. The nation-state and the controls of interstate relations is stressed.

272 INTERNATIONAL RELATIONS II — The Contemporary Power System (International Relations 243)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	International Relations I, 271 or consent of instructor

This course is a study of the following units: problems of less developed nations, international organizations, present conflict and crises among nation-states, international trade, changing nature of American and European foreign policy and possibilities for a world community. Case studies and independent study permit students to explore in depth current developments among nation-states.

281 CURRENT PROBLEMS I — Youth and the Law (Current Problems 249)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course considers the role of young people in the family and community. It probes the nature and growth of delinquency and the function of the juvenile court system. Topics of study include, but not limited by, the following: general liability of youth, interfering with police, car theft, shoplifting and public disorders. Also, juvenile courts, correctional institutions and the rights of juveniles are studied.

282 CURRENT PROBLEMS II — Problems Facing Our Cities (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a survey of contemporary problems in urban America in relation to political structures, city planning, industrial development, transportation, blight, environment and other related problems.

* 283 CURRENT PROBLEMS III — Community as a Laboratory (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This is a laboratory course requiring that much time be spent outside the school building. Visits are made to the offices of local mayors, the police and fire departments, family service organizations and other community service groups. From these trips and the speakers who come to the class, students should understand the specific problems of the communities serving the school and the tasks of elected and appointed officials.

* 284 CURRENT PROBLEMS IV — Community as a Laboratory (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Current Problems III 283

This laboratory course stresses the citizen and his relationship to the local economic and social structures and studies some specific styles of living. Students learn mainly by surveying residents, conducting polls and doing on-site investigations.

285 CURRENT PROBLEMS V — Today's World Problems (249)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed for the student who is interested in current national and international problems. Broad areas of study cover national and international developments with special emphasis upon current economic, social and political developments.

286 CURRENT PROBLEMS VI — Alternative Life Styles in a Changing Society (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

Students examine the changes in our life styles created by the dynamics of our 20th Century society.

* 295 SEMINAR 1 — Independent Study Seminar (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consent of Social Studies and Guidance Departments

Seminar topics are selected from the student's fields of interest and can originate in any of the social sciences.

MATHEMATICS

The mathematics program is offered for the purpose of developing desirable attitudes, appreciations, and "mathematical potential" within each individual student. Students have the opportunity to become well prepared for a career or for advanced study. Meaningful study is offered in applied mathematics such as business, consumer or technical courses a well as in a college preparatory sequence culminating in the study of calculus. With this in mind, the mathematics department seeks these objectives:

1. To provide experiences which are appropriate to different learning abilities.
2. To teach computational skills with a firm background of understanding.
3. To present instructional material in a way that will encourage the student to make mathematical discoveries on his own.
4. To present mathematical topics with emphasis on the processes involved.
5. To present the elements of a logical mathematical structure.
6. To conduct a continuing investigation of the nature of proof.
7. To establish and maintain a mathematical basis for problem solving.

301 FUNDAMENTAL MATH SKILLS (General Math 315)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Not open to students who have completed courses of higher level

This course is a basic review of fundamental arithmetic skills. This course prepares the student for Consumer Math, Introduction to Technical Math, Measurement and Introduction to Algebra.

302 CONSUMER MATH (None)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Fundamental Math Skills 301 or proficiency

This course presumes a reasonable degree of arithmetic skills. It is intended to prepare the student to cope with the typical problems encountered by the consumer. Such topics as consumer buying, taxes, wages, insurance, banking, budgeting, time payment, finding interest are dealt with by the application of the appropriate mathematical skills.

303 MEASUREMENT (None)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Fundamental Math Skills 301 or proficiency

This course deals with a review of basic measuring units and devices which are used in the English and metric systems. Skills in approximation, estimation, precision and margin of error are developed. Some work is done in the measurement of perimeters, areas and volumes of geometric figures. Also included is a study of the different monetary systems and conversion to U.S. currency.

304 ADVANCED CONSUMER MATHEMATICS (None)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Consumer Math 302 or proficiency

This course is an extension of the basic Consumer Mathematics course. The topics presented previously are dealt with in greater depth and some new areas with business application are explored.

305 INTRODUCTION TO TECHNICAL MATH (None)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisites:	Fundamental Math Skills 301 or proficiency

In this course the student is introduced to the various measuring devices which are used in technical work. Emphasis is placed upon mathematical skills such as work with fractions, conversion of fractions to decimal form, conversion to metric units and scientific notation. Other topics included are graphing, use of tables, charts, blueprints, scale drawing, meters and gauges.

306 INTRODUCTION TO ALGEBRA (None)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Fundamental Math Skills 301 or proficiency

This course is intended to provide the student with the fundamentals necessary in the study of Algebra. Arithmetic skills are related to Algebraic skills. The student is introduced to the idea of a simple equation and its graph, and the meaning of an unknown variable in equations and formulas. Verbalization of mathematical ideas and problems will be related to the solutions of word problems. This course is not an Algebra course and therefore the student does not receive credit in Algebra.

310 MODIFIED ALGEBRA 1 (Modified Algebra I 313)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Algebra 306 or Eighth grade teacher recommendation

This is the first quarter of a five quarter sequence in which the student's advancement is determined by his performance. The first quarter includes a study of the properties of numbers, simple equations, inequalities, and formulas. Students are introduced to symbolic notation and mathematical language. Algebraic techniques are applied to the solution of practical verbal problems. Satisfactory performance qualifies the student for Modified Algebra 2.

311 MODIFIED ALGEBRA 2 (Modified Algebra I 313)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 1, 310

In this course positive and negative numbers are applied to the solutions of equations, formulas, and operations with polynominal expressions. The student develops proficiency

in these areas and learns to apply them to practical verbal problem situations. Satisfactory performance in this course qualifies the student for Modified Algebra 3.

312 MODIFIED ALGEBRA 3 (Modified Algebra I 313)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 2, 311

In this course the student learns to work with equations involving more difficult operations which are applied to verbal problem situations. The student may terminate his study of Algebra at the end of this quarter. Satisfactory performance qualifies the student for Modified Algebra 4

313 MODIFIED ALGEBRA 4 (Modified Algebra II, 314)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 3, 312

In this course, after a short review period, the idea of two equations with two variables (unknowns) is introduced and the student learns to solve verbal problems using two equation systems. Factoring techniques are learned and applied to the multiplication, division and combination of Algebraic fractions. Satisfactory performance qualifies the student for Modified Algebra 5.

314 MODIFIED ALGEBRA 5 (Modified Algebra II, 314)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 4, 313

This is the final course in the Modified Algebra sequence. Factoring techniques are used in the solutions of equations containing fractions and simple quadratic equations. Powers, roots and radical forms are introduced and studied as they relate to the various methods of solving quadratic equations. If the student performs satisfactorily in this course he will be prepared for Geometry and Intermediate Algebra.

320 ALGEBRA 1 (Algebra I, 311)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Eighth grade teacher recommendation

This course is the first quarter of a three quarter sequence of college preparatory Algebra. Numbers and their relationships as they relate to Algebraic operations are studied. Solutions to simple equations are followed by verbal problem applications. Algebraic axioms or properties of numbers are introduced and reinforced by applications. The latter part of the quarter is devoted to the study of negative numbers and their operations.

321 ALGEBRA 2 (Algebra I, 311)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Algebra 1, 320

In this course the student learns to work with more advanced equations using negative numbers and applying techniques learned in the solution of the verbal problems. Basic operations with polynomials, exponents, and elementary factoring techniques are introduced. Inequalities are treated along with equations where it is appropriate.

322 ALGEBRA 3 (Algebra I, 311)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Algebra 2, 321

In this course factoring techniques are learned and applied. Operations with algebraic fractions are introduced and applied to the solutions of fractional equations. Systems of linear equations are introduced and applied to verbal problems. Graphing techniques are used to provide understanding of the solutions of systems. A study of the properties of real numbers and square root leads to the general methods of solving quadratic equations. Successful completion will prepare the student for Geometry with Solid and Accelerated Algebra.

330 GEOMETRY 1, (Plane Geometry 325)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 5, 314 or Algebra 3, 322

This is the first quarter of the Plane Geometry sequence. The satisfactory completion of this sequence will meet college entrance requirements. It deals with definitions which are basic to a sysem of Geometric rules and principles called theorems, postulates and assumptions. The logic of inductive and deductive reasoning is studied using the system of principles which has been established. The student's readiness for Geometry 2 will depend on his performance in this course.

331 GEOMETRY 2 (Plane Geometry 325)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Geometry 1, 330

In this course the students discover and prove properties of parallel and perpendicular lines. Basic construction using compasses and straight edge are introduced and are related to previously learned geometric principles. Polygons of more than three sides are studied and relationships between the sides and the area are established. The area concept is then used to establish the proof of the Pythagorean Relationship.

332 GEOMETRY 3 (Plane Geometry 325)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Geometry 2, 331

In this course the geometry of the circle is explored. Various lines which are associated with the circle called chords, secants and tangents, form angles and intercept arcs on the circle. The numerical relationships between these angles and arcs are formalized and applied to various problem situations.

The idea of the path of a moving point called locus is explored. A study of ratio, proportion, and similar triangles lead the student to the proof of the Pythagorean Theorem. The course terminates with coordinate geometry.

333 TRANSFORMATIONAL GEOMETRY 1 (Plane Geometry 325)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 5, 314 or Algebra 3, 322

This is the first quarter of the transformational geometry sequence. Satisfactory completion of this sequence will meet college entrance requirements. It emphasizes student intuition of plane relationships and his previous experience with geometry. Fundamental terms of geometry are introduced to establish a structure consisting of undefined terms, postulates and theorems. Transformational geometry concepts are used to develop symmetry, congruency and similarity. Formal proof techniques are developed. The study of coordinate geometry brings algebra and geometry together. Space geometry is introduced with practical applications of areas and volumes.

334 TRANSFORMATIONAL GEOMETRY 2 (Plane Geometry 325)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Transformational Geometry 1, 333

This is the second quarter of the transformational geometry sequence. It emphasizes student intuition of plane relationships and his previous experience with geometry. Fundamental terms of geometry are introduced to establish a structure consisting of undefined terms, postulates and theorems. Transformational geometry concepts are used to develop symmetry, congruency and similarity. Formal proof techniques are developed. The study of coordinate geometry brings algrebra and geometry together. Space geometry is introduced with practical applications of areas and volumes.

335 TRANSFORMATIONAL GEOMETRY 3 (Plane Geometry 325)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Transformational Geometry 2, 334

This is the third quarter of the transformational geometry sequence. It emphasizes student intuition of plane relationships and his previous experience with geometry. Fundamental terms of geometry are introduced to establish a structure consisting of undefined terms, postulates and theorems. Transformational geometry concepts are used to develop symmetry, congruency and similarity. Formal proof techniques are developed. The study of coordinate geometry brings algebra and geometry together. Space geometry is introduced with practical applications of areas and volumes.

340 PLANE GEOMETRY WITH SOLID 1 (Plane Geometry with Solid 321)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Algebra 3, 322

This is the first of a sequence of college preparatory geometry courses. It is designed for the student who has done well in Algebra and intends to study advanced mathematics. Emphasis is placed on proof through inductive and deductive reasoning. This course includes the study of the structure of geometry relative to the real number system, distance concepts, angles and triangles and congruence.

341 PLANE GEOMETRY WITH SOLID 2 (Plane Geometry with Solid 321)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Plane Geometry with Solid 1, 340

During the second quarter of the sequence the student makes an in-depth study of proof. Geometric inequalities, parallel and perpendicular lines in space as well as in the plane are studied. The development of polygon areas culminates in the proof of the Pythagorean Rule and special right triangles.

342 PLANE GEOMETRY WITH SOLID 3 (Plane Geometry with Solid II)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Plane Geometry with Solid 2, 341

In the final quarter the student is introduced to coordinated Geometry where he learns to prove geometric ideas in an analytical manner. The concept of distance between two points, midpoint of a line segment, graphic representation of equations is studied. The circle, the angles and arcs formed by lines which are associated with the circle, the measurement of circumference and area are all presented. The course sequence ends with the study of the properties of solids. Satisfactory performance in Plane Geometry with Solid prepares the way for the student for Accelerated Algebra and higher mathematics.

350 TECHNICAL MATH 1 (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 5, 314 or Algebra 3, 322

In this course the emphasis is placed on mathematically related topics which will be helpful in a vocational career. The student reviews the fundamental work with fractions, decimals and percentage. Topics covered are: metric system of measurement, metric conversion, use of measuring devices such as the micrometer calipers, Vernier scale, carpenter's square, slide rule and a working knowledge of common logarithms.

351 TECHNICAL MATH 2 (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Technical Math 1, 350

This course is an extension of Technical Math 1. Practical Geometry in which constructions and measurements of two and three dimensional figures are studied. Other topics include: basic right triangle trigonometry, scale drawing and blueprint reading, industrial applications of automated and computer controlled systems.

352 MATHEMATICS FOR HUMANITIES (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 5, 314 or Algebra 3, 322

This is a non-rigorous approach to mathematics. The student gains insight into the historical development of mathematics and its impact on society. Topics are treated in a light and interesting manner. These topics may include number sequences, functions and their graphs, large numbers, exponents and logarithms, mathematical curves, methods of counting, probability and chance and topology.

353 BUSINESS MATHEMATICS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 5, 314 or Algebra 3, 322

This course deals with mathematically related topics in the world of business. Computation of interest, compound and simple, is done by formula. The procedures and computation involved in mortgages, major purchases, time payment, credit card purchasing, loans and banking are investigated. The long forms of Federal and State Income Tax returns are covered in detail. Students are introduced to methods of writing retail purchases and operating cash registers as they exist in local business.

354 MATHEMATICS TEACHING AIDE (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Teacher recommendation

Mathematics aides are trained in assisting the teachers and in so doing gain insight into the career of teaching or teaching aides. The duties and responsibilities are determined by the teacher in charge. These duties may include tutoring, clerical work, preparing computer programs on the teletype or keypunch machine.

355 COMPUTER 1 (Computer Programming I 360)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Modified Algebra 5, 314 or Algebra 3, 322

This course is designed for students who wish to learn how the computer solves problems. Emphasis is placed upon programming using elementary computer programming language. In the process the student learns the techniques of flow charting, coding and teletype operation. Programs of mathematics and business problems are written by the student. Some time is spent in discussions of the historical development and mechanical aspects of the computer.

356 COMPUTER 2 (Computer Programming I 360)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Computer 1, 355

This course is designed for those students who have interest and have demonstrated proficiency. It is an extension of Computer 1 where programming techniques are reinforced and studied in greater depth and where more complex problems are programmed. Students are introduced to a new programming language and write programs in this language.

357 COMPUTER 3 (Computer Programming II 361)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Computer 2, 356

This course is intended for those students who have performed satisfactorily in Computer 2. It is an extension with a more rigorous treatment of previously learned programming skills so that the student is prepared to study programming at a higher level. Some of the programs written may be selected as the basis of individual interest.

360 INTERMEDIATE ALGEBRA 1 (Algebra II 335)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Geometry 3, 332 or Transformational Geometry 3, 335 or Plane Geometry with Solid 3, 342

This is the first quarter of a college preparatory sequence. Review of basic Algebra is followed by extension of mathematical knowledge as well as an in-depth study of all of the concepts previously learned. Topics covered are equations and inequalities in one variable, factoring techniques and their application to the solution of equations and operations with algebraic fractions.

361 INTERMEDIATE ALGEBRA 2 (Algebra II 335)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Intermediate Algebra 1, 360

This course includes the study of functional relations and their graphs wherein the student learns to relate real numbers to points in a plane. These concepts are developed with respect to straight lines or combinations of straight lines. The idea of the slope of a line is involved in developing forms for the graphing of the equations of straight lines. Ratio, proportion and related applications are studied. Other topics include exponents and laws of exponents, radical forms and imaginary numbers.

362 INTERMEDIATE ALGEBRA 3 (Algebra II 335)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Intermediate Algebra 2, 361

The final course in this sequence makes use of previously learned facts to study systems of equations and their graphs. Quadratic equations and their graphs are analyzed with respect to various unique properties such as maximum and minimum values. Equations of higher degree and methods of solution are discussed. Other topics included are logarithms and their application. The Algebra 2 sequence provides a foundation for senior mathematics.

363 TRIGONOMETRY OF ANGLES (Trigonometry 343)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Intermediate Algebra 3, 362

This course is intended to be a practical approach to the study of trigonometry. It is designed to meet the needs of technical or industrial training but the basic elements necessary in the study of higher mathematics are included. The various functions of the angles of a right triangle are studied carefully with emphasis on application to problem situations. Other topics include graphing of trigonometric functions, vectors, polar coordinates, radian measure, the law sines and cosines and their applications. The basic formulas of trigonometry are introduced and applied and the important identities are studied.

370 ACCELERATED ALGEBRA 1 (Algebra II with Trigonometry 331)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Plane Geometry with Solid 3, 342

This is the first of a two quarter sequence which is equivalent to three quarters of Intermediate Algebra. The fundamental concepts of Algebra are reviewed and reinforced. The students knowledge is extended as he studies the rules and operations of real numbers, linear equations and systems of linear equations and their graphs, algebraic fractions and equations with fractions. Other topics include inequalities, laws of exponents and scientific notation.

371 ACCELERATED ALGEBRA 2 (Algebra II with Trigonometry 331)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Accelerated Algebra 1, 370

The final course in this sequence places emphasis on quadratic relations and systems of quadratic relations. Skill in working with radicals and radical forms is developed as the student learns how to find the roots of quadratic equations and develops an understanding of the nature and characteristics of quadratic roots. The graphs of the parabola, circle, ellipse and hyperbola and the equation forms are investigated thoroughly. Normally the student will take trigonometry immediately after this course.

372 TRIGONOMETRY OF NUMBERS (Algebra II with Trigonometry 331)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Trigonometry of Angles 363 or Accelerated Algebra 2, 371 or department approval

This course is a theoretical approach to the study of trigonometry. It is designed for those who wish to study higher mathematics. The student investigates the circular functions and their inverses in which the trigonometric functions of real numbers (rather than trigonometric functions of angles). A treatment of complex numbers leads to the development and application of DeMoivure's Theorem which may be used to find higher roots and powers of all members. This course leads to college algebra and higher mathematics.

373 PROBABILITY AND STATISTICS (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Accelerated Algebra 2, 371

The applications of Probability and Statistics to the natural and social sciences has become more evident in recent years. This course will be useful to the prospective liberal arts student who may not wish to specialize in mathematics. Foundation concepts such as permutations, combinations and the binomial theorem are carefully developed. Graphs and statistical measures along with binomial and normal distributions are used to organize and analyze data. A combination of these skills is applied to various problem situations.

380 COLLEGE ALGEBRA 1 (Fundamentals of College Freshman Math 341)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Trigonometry of Numbers, 372

This is the first of a two quarter sequence which provides the foundation for Analytic Geometry and Calculus. The topics of earlier mathematics courses are reintroduced and investigated in greater depth with emphasis on theory. Topics new to the student are mathematical induction, matrix algebra inequations and proofs involving inequalities. Students electing to take this course should be serious mathematics students since the materials and methods used are at college level.

381 COLLEGE ALGEBRA 2 (Fundamentals of College Freshman Mathematics 341)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	College Algebra 1, 380

This course is a continuation of College Algebra 1. An analysis of the Algebraic functions is followed by a study of the exponential and logarithmic functions. Other topics include sequences and series, permutations, combinations and probability. Satisfactory performance in this course will prepare the student for the study of calculus.

385 ANALYTICAL GEOMETRY (Fundamentals of College Freshman Mathematics 341)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	College Algebra 2, 381

This course reinforces methods and skills of graphing and writing equations for lines and curves. It begins with a study of the straight line including families of lines, formulas for the distance from a point to a line and direction cosines. Other topics included are a thorough study of the conic sections, graphing of parametric equations, special curves in parametric and polar form, translation and rotation of coordinate axes, graphing in 3-space and curve fitting. This course is fundamental to the study of the calculus and higher math.

386 PRE-CALCULUS (Fundamentals of Freshman College Mathematics 341)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	College Algebra 2, 381

This course is intended for those seniors who have not taken Calculus but who anticipate taking Calculus in college. The course includes a thorough reinforcement of all important concepts. Number relations, circular functions, sequences, series, limits, exponential and log functions, matrices, analytical geometry, and linear transformation are all topics which are included. The idea of the derivative and some of the basic formulas for differentiation as well as some of the unique symbolism of higher math are studied so that the transition to the Calculus is facilitated.

387 ALGEBRAIC STRUCTURES (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	College Algebra 2, 381

This course includes those topics which will be helpful to the student in his study of higher mathematics in college. This is a brief study of the theory of positive integers followed by an in-depth investigation of the properties of number systems such as those which are used in algebraic structures. The algebraic structures include groups, rings, fields and integral domains. Emphasis is placed upon proof and theory.

390 CALCULUS 1 (Calculus & Analytical Geometry 365)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Analytical Geometry 385

This is the first quarter of a three quarter sequence in college level calculus. The successful completion of the sequence will prepare students for advanced placement and credit in most colleges. It reviews essential elements of Analytic Geometry which are developed as needed in the study of the Calculus. Proofs and applications of Basic Limit Theorems are used in the development of the derivations of Algebraic Functions. A variety of problem situations are used in the application of the formulas for the derivatives.

391 CALCULUS 2 (Calculus & Analytical Geometry 365)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Calculus I, 390

This course is a continuation of the calculus sequence and is the immediate follow-up of Calculus 1. The student works with the derivative in greater depth and is introduced to the anti-derivative and the integration process. Topics include the indefinite integral and its applications, differentiation and integration of sine and cosine functions. The concept of the area under the curve is developed as the student discovers the definite integral. The proof and application of the Fundamental Theorem of Calculus is one of the important ideas developed. Principles of Calculus are reinforced by application to problem situations.

392 CALCULUS 3 (Calculus & Analytical Geometry 365)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Calculus 2, 391

This is the final quarter of the calculus sequence and culminates in the advanced placement test which is prescribed by the College Entrance Examination Board. This course deals with the derivatives and integrals of the transcendental functions which include the trigonometric functions and their inverses, the natural logarithms, exponential and logarithmic functions. Students learn special methods of integration such as integration by partial fractions, by parts, by substitution and by use of tables. Other topics include differentiation and integration of parametric equations, finite and infinite series and selected topics in numerical analysis.

SCIENCE DEPARTMENT

The District #300 science program offers a full range of courses in both life science and physical science, with a strong emphasis on laboratory experiences.

In addition to the development of good lab technique and the ability to observe and analyze what he sees, the student is encouraged to relate the work in science class to the everyday happenings about him.

Survey courses in physical science and living science provide a coverage of topics for the student with minimal need for specific or college-preparatory work. A more rigorous sequence of physical science, biology, chemistry and physics courses provides the background required for college or vocational plans.

Several specialized courses, including microbiology, genetics, anatomy, organic chemistry, nucleonics, and chemical analysis give the science-prone student ample opportunity for advanced work.

401 BASIC PHYSICAL SCIENCE I (415)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed as the first part of a three quarter sequence to satisfy the science requirement for graduation. It is a survey based on a laboratory inquiry approach to learning. This course develops the concept of science as an investigation aimed at developing observational and problem-solving skills. The student analyzes the motion of weight and participates in scientific games.

402 BASIC PHYSICAL SCIENCE II (415)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Physical Science I 401

This course is a continuation of Basic Physical Science I and utilizes the skills developed in that course. It introduces the student to concepts of matter and energy through Chemistry and Physics. The student works with various chemical reactions and studies radioactivity to understand the physical nature of our world. The student also studies the Energy-Work relationship with simple machines and chemical reactions.

403 BASIC PHYSICAL SCIENCE III (415)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Physical Science I (401) or II (402)

This course is the third quarter of the basic sequence designed to introduce the student to the ideas of interaction of matter and energy, and man's attempt to control this interaction. In this course the student studies forces that produce changes in the environment.

404 PHYSICAL SCIENCE I Measurement (411 or 414)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This is the first course in the Physical Science sequence. It will provide necessary lab techniques and skills in measurement. It is designed for the average student. Students learn to use lab equipment, the metric system of measurement, and math skills needed in handling scientific data. Fundamental experiments are performed to familiarize students with units of measurement and how scientists use data to investigate the behavior of nature.

405 PHYSICAL SCIENCE — Force and Motion (411 or 414)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Physical Science I 404

In this course the student studies the forces around him, those that help us and those that make it more difficult for us to work and play. The student studies the force of gravity and the small forces such as those between molecules. Simple machines are studied and the forces of heat and light are examined.

406 PHYSICAL SCIENCE — Forms of Energy (Sound, Light, Photography (411 or 414)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Physical Science I 404

In this course the student studies the properties of sound and light through laboratory investigations. He examines how these properties are important to the success of producing highly creative art forms such as music and photography. Special techniques, such as photographic darkroom procedures are learned.

407 PHYSICAL SCIENCE — Chemistry of Matter (411 or 414)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Physical Science I 404

This is a survey course in basic chemistry with little emphasis on mathematics. It is recommended for freshmen but may be taken at any grade level to fulfill the science requirement. The student spends about three-fourths of the time in lab. The course includes fundamental experiments involving matter, its classifications, changes and combinations including the study of acids, bases and reaction rates.

* 408 PHYSICAL SCIENCE — Electricity and Kit Building (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Physical Science I 404

This course is designed to provide the student with an understanding of the production and uses of electricity. After some simple experiments and the understanding of how to use some test equipment, the student attempts repair of home appliances. Kit building such as the construction of crystal radios and small electric motors, is included.

SCIENCE DEPARTMENT
continued

* 409 PHYSICAL SCIENCE — Techniques for Science Lab (None)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Physical Science I 404

In this course students are instructed in the use of fundamental lab apparatus. Techniques in distillation, chromotography, solution preparation, sterilization and the use of the balance is emphasized.

411 IPS — Laboratory Physical Science I (411)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Credit or enrollment in any Algebra course

In this course the student is introduced to the world of physical science. It is recommended for students who will take laboratory science courses beyond Grade 9. IPS I is the first of a three-quarter sequence. Fundamental skills of measuring quantities of matter are introduced, in which the student uses many of the basic pieces of laboratory equipment.

412 IPS — Laboratory Physical Science II (411)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: IPS I 411

In this course the student deals with the solubility of solids, the effect of temperature on solubility, and finally on the preparation of sulfuric acid. The separation of substances comprises an important segment of the full year sequence. The student separates a mixture of liquids or solids. Other activities include the decomposition of water and the preparation of other compounds.

413 IPS — Laboratory Physical Science III (411)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: IPS II 412

In this course the student experiments with radio-activity and synthesizes two copper compounds. He learns to determine the size of a single molecule. A study of motion of molecules ties this portion of the course together.

425 LIVING SCIENCE I — Inquiry & Discovery (425)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: 15 quarter hours in any Physical Science course

This is the first course in the life science sequence. The recognition of problems and possible solutions, designing controlled experiments, organizing data, and solving open ended laboratory questions form the basis of the course. The emphasis is on discovery and laboratory experiences.

426 LIVING SCIENCE — Functions of Plants/Animals (425)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Living Science I — Inquiry 425

This basic life science course consists of ten investigations, including concepts of stimulus and response, body regulatory systems and a study of smoking and drugs.

427 LIVING SCIENCE — Genetics & Reproduction (425)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Living Science — Inquiry 425

In this basic course the student studies reproduction in plants and animals and the mechanisms of inheritance, as well as environmental influences on living things.

428 LIVING SCIENCE — Ecology (421-423)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Living Science I — Inquiry 425

In this course the student investigates the relationship of living things to each other and to their environment. The stress is on lab work for the purpose of discovering the relationship between living things and their environment.

* 429 LIVING SCIENCE — Landscaping, Horticulture (421-423)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Living Science — Inquiry 425

This course is taught in conjunction with the occupational program and stresses the practical aspects of biology in the area of plant study.

431 BSCS BIOLOGY I — Green Version (423)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: 15 quarter hours Physical Science credit Course numbers 404 or above or consent of instructor

This introductory quarter of laboratory oriented biology covers two broad areas. The first area, The World of Life: the Biosphere, deals with the interaction of the living and nonliving components of our world. The second area deals with diversity among living things which consists of dividing all living organisms into three groups — animals, plants and the protists.

432 BSCS BIOLOGY II — Green Version (423)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: BSCS Biology I, Green Version 431

This lab oriented course is an extension of BSCS Biology 1 — Green Version. In this course patterns in the Biosphere receive major emphasis. Biotic distribution in the microscopic world, on the land, in different types of water and finally in past eras are included in the unit. In addition, the student examines cells and their energy requirements.

433 BSCS BIOLOGY III — Green Version (423)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	BSCS Biology II — Green Version 432

This course is a continuation of BSCS Biology II — Green Version. The student investigates a variety of ways in which the necessary functions of an animal body are carried out in various animal groups, the reactions of organisms to external stimuli, reproduction, heredity, evolution, and how man as a future citizen is involved in the web of life.

435 BSCS BIOLOGY I — Blue Version (421)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	IPS I 411, IPS II 412, IPS III 413 or with recommendation of 8th grade science teacher

This course is the first in a sequence of laboratory courses concerning scientific investigations in all phases of animal and plant life. It includes the introduction of facts and ideas, the study of evolution, cells, chemical energy processes and the biological code. The course is designed for the average or above average student who will probably elect additional science courses during his high school and college career.

436 BSCS BIOLOGY II — Blue Version (421)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	BSCS Biology I — Blue Version 435

This course is a continuation of BSCS Biology I — Blue Version. Special emphasis is placed on cell theory, genetics, and the human body.

437 BSCS BIOLOGY III —Blue Version (421)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	BSCS Biology I and II — Blue Version 435, 436

This course is a continuation of BSCS Biology II — Blue Version. The emphasis is placed on animal behavior, evolution of man, and ecology.

441 PRINCIPLES OF CHEMISTRY I (431, 433)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Physical Science 404 or above

This course is the first of a three course sequence designed for the student who has an interest in chemistry but does not have a sufficient math background or the desire to pursue the more theoretical Chemistry course. During the sequence the student develops fundamental lab techniques and a familiarity with scientific equipment and terminology. He covers such topics as structure of atoms and molecules, common chemical reactions, states of matter, solutions, acids, bases, carbon chemistry of fuels, common medicines, etc. This course satisfies the advanced biology prerequisite.

442 PRINCIPLES OF CHEMISTRY II (431, 433)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisites:	Principles of Chemistry I 441

This course is a continuation of Principles of Chemistry I; topics covered include atomic theory, electronic structure, periodic law and chemical bonding.

443 PRINCIPLES OF CHEMISTRY III (431, 433)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisites:	Principles of Chemistry II 442

This course is a continuation of Principles of Chemistry II. Topics such as gases, properties of solids and organic chemistry are covered.

445 CHEMISTRY I — Chem Study (431, 433)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	BSCS Biology I 435, II 436, III 437 and/or IPS I 411, II 412 or III 413 (Blue Version)

Chemistry is a basic physical science centered around the laboratory. Most college bound students elect chemistry as a fundamental science course. Students enrolling should have an understanding of basic Algebra. Chemistry is normally taken in the sophomore or junior years but is also open to seniors. Students desiring Physics, Advanced Biology or Seminar level courses should enroll in Chemistry. Chemistry I introduces the student to basic laboratory technique and the Atomic Theory. The study of solids, liquids and gases is also included.

446 CHEMISTRY II — Chem Study (431, 433)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Chemistry I 445

Chemistry II is a continuation of Chemistry I. In this course the organization of the Periodic Table is developed through atomic structure. Energy changes and rates of chemical reactions are also studied.

447 CHEMISTRY III — Chem Study (431, 433)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: Chemistry II 446

Chemistry III is the final segment of this Chemistry sequence. It includes the study of acid-base reactions and oxidation-reduction reactions, as well as an introduction to organic chemstry.

451 PHARMACOLOGY OF DRUG ABUSE (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: 5 quarter hours of Chemistry — any level

In this course the student identifies terms and uses them to discuss drugs and the drug problem in a wide perspective. The course includes laboratory work.

* 452 FIELD BIOLOGY & GREEN PLANT MANAGEMENT (None)

Grade: 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: 15 quarter hours Physical Science — any level; 5 quarter hours Biology — any level; 5 quarter hours Chemistry — any level

This is a course of study focusing on laboratory and field experiences to gain knowledge and an appreciation of the green plant. Labs involving plant growth and development and field trips to sites of different types of plant communities will supplement the classroom discussions.

453 LABORATORY TECHNIQUES (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: 15 quarter hours of Biology — any level; 15 quarter hours in Chemistry —any level; or current enrollment in Chemistry — any level

In this course students are offered a variety of laboratory experiences. The student learns proper use of equipment, to establish cultures, construct models, and to prepare solutions for laboratory use. This is an excellent course for familiarization with the laboratory, and vocations associated with laboratory work.

461 PHYSICS I (441, 442)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: 15 quarter hours IPS 411, 412, 413 and/or 15 quarter hours BSCS Biology — any level; Chemistry desired but not mandatory

In this course the student is introduced to the basic methods of measurement. The study of mechanics is stressed, including motion and its causes, gravitational forces and the application of the laws of energy conservation to describe and predict the motion of objects.

462 PHYSICS II (441, 442)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: Physics I 461

In this course the student is introduced to the phenomena of static and current electricity. The inner-relations of electric and magnetic fields are studied. The course is developed from a historical viewpoint and leads through modern concepts of electromagnetic radiation.

463 PHYSICS III (441, 442)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: Physics II 462

This segment of the Physics sequence includes the study of behavior of light, its transmission, reflection, bending and interference. Properties of waves are studied to explain this behavior, followed by an introduction to modern physics, including the study of the particle nature of light. The particle nature of light leads to the study of the structure of the atom and relativity.

471 GENETICS (445)

Grade: 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: 15 quarter hours in Chemistry — any level; 15 quarter hours of Biology — any level

Genetics is one of several advanced biology courses, all of which are intended for students considering a career in one of the biological sciences (i.e., medicine, nursing, pharmacology, agriculture). It is the science of heredity, dealing with the transmission of developmental potentialities from one generation of living things to the next.

The course is designed to acquaint the student with not only the classical patterns of inheritance but also with the present day findings of molecular genetics. Accordingly, particular emphasis is placed upon the nature of the heredity material (DNA), the transmission of the genetic material, and the function of the material. Through laboratory experiments, students participate actively in experimental procedures, including, but not limited to, extensive breeding experiments with strains of Drosophilia (fruit fly).

472 MICROBIOLOGY (445)

Grade: 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: 15 quarter hours Biology — any level; 15 quarter hours Chemistry — any level

This is an advanced biology course dealing with the study of the microscopic world, with special emphasis on bacteria. Both the disease-causing and harmless bacteria are studied, as well as laboratory technique and proper handling of these organisms. This is a valuable course for nurses or anyone interested in a medical career.

473 HUMAN PHYSIOLOGY & ANATOMY (445)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level

This is an advanced study of the structure and function of the human body. Emphasis is placed on why and how the body functions as it does and why it breaks down. The laboratory portion is divided into two sections; the dissection of the cat (comparing it to the human body) and the human blood physiology.

474 PROTOZOOLOGY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level or concurrent enrollment in Chemistry — any level

This is a comprehensive introductory course to acquaint the student with characteristics of single cell organisms. The student learns the history, ecological significance, morphology, physiological and hereditary characteristics of common microscopic organisms. Students learn to culture, stain, isolate pure strains, and to identify various protozoan species.

475 ECOLOGY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level; or concurrent enrollment in Chemistry — any level

In this course emphasis is placed on the basic concepts of ecology. The basic unit, the ecosystem, is analyzed to determine energy flow and the interrelationships of living organisms with their surroundings. Laboratory exercises include an analysis of the Fox River and Lake Marion water, as well as an analysis of air quality in an area around the school.

* 476 COMPARATIVE ANATOMY (445)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Chemistry — any level

In this advanced biology course the student is introduced to the anatomy of the vertebrates. Similarities and differences in structure are evaluated from the fish through amphibians, reptiles and birds, through mammals.

481 NUCLEONICS — Modern Physics (451)

Grade:	12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level; 15 quarter hours of Physics — any level — or concurrent enrollment in Physics (461, 462, 463)

This is an advanced Seminar level course. The following topics are covered in the laboratory and classroom: Foundations of Atomic Theory, Radioactive Decay Schemes, Detection and Measurement of Nuclear Radiation, Statistical Analysis of Measurement, Biological Effects and Radiation Protection. Labs on the Efficiency of Equipment, Statistic half-life, parent-daughter Equilibrium, Inverse Square Law, and the Absorption of Gamma and Beta Particles are included.

482 ORGANIC CHEMISTRY (451)

Grade:	12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level; 15 quarter hours of Physics or concurrent enrollment in Physics (461, 462, 463)

This is a survey study of organic compounds, their classification, functional groups and common reactions. The course emphasis is on the laboratory preparation, purification and identification of organic compounds. The course is for college-bound students who intend to enter science or professional related fields.

483 QUANTATIVE ANALYSIS (451)

Grade:	12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level; 15 quarter hours of Physics or concurrent enrollment in Physics (461, 462, 463)

This is an advanced level chemistry course which is 70-80% laboratory oriented. Investigations involve volumetric and gravimetric analysis.

484 QUALITATIVE ANALYSIS (451)

Grade:	12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Biology — any level; 15 quarter hours of Chemistry — any level; 15 quarter hours of Physics or concurrent enrollment in Physics (461, 462, 463)

This is an upper level course in Chemistry. The emphasis is on laboratory work. The identification of the five groups of positive ions is accomplished. The course is for the college bound student who intends to enter science or the professional related fields.

SCIENCE DEPARTMENT
continued

485 ASTRONOMY (None)

Grade:	12
Quarters:	1
Periods per week:	3 plus two unscheduled periods TOTAL 5
Credit:	5 quarter hours
Prerequisite:	15 quarter hours of Chemistry — any level; 15 quarter hours of Physics (461, 462, 463) or concurrent enrollment in Physics

In this course the student studies the early development of astronomy, early theories concerning our solar system and universe, and present theories about stars, planetary systems, comets, meteors and other celestial objects. The two unscheduled periods are devoted to observational astronomy, including both indoor and field activities,

486 PHILOSOPHY OF SCIENCE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	15 quarter hours of Science credit — any level

The average person would think he was living in a science fiction world if he could see it through the eyes of a physicist. In this course an attempt is made to explain the modern theories of physics from a humanistic point of view, in order that this sense of mystery can be appreciated. Topics covered include the relevance of physics, frames of reference and relativity; and the strange reality of the quantum mechanical world.

FOREIGN LANGUAGE DEPARTMENT

A full appreciation of foreign people and their culture is realized by a study of their language. Foreign language courses include not only literature, art, music, and history, but also insight into contemporary foreign cultures. By recognizing both similarities and differences in other people foreign language students develop a better understanding of the world community in which he lives.

501 SPANISH CONVERSATION A (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course consists of learning vocabulary that can be used in everyday conversation in travel. It is intended for those students interested in a non-academic study of the language.

* 502 SPANISH CONVERSATION B (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Conversation A 501

This course is a continuation of Spanish 501.

503 SPANISH I (511)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course begins with listening comprehension and pronunciation. The student learns simple dialogs and gradually progresses to basic grammar which includes subject, pronouns, present tense of verbs, definite and indefinite articles and noun-adjective agreement.

504 SPANISH II (511)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Spanish I 503

This course offers the student an apportunity to increase vocabulary and study basic grammar and phonetics.

505 SPANISH III (511)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Spanish II 504

This course is a continuation of Spanish II, 504, and is the culmination of the first year of this language.

506 SPANISH IV (521)

Grade:	9, 10. 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Spanish III 505

This course is a continuation of the basics of the Spanish language.

507 SPANISH V (521)

Grade:	9, 10, 11, 12
Quarters	1
Periods	5
Credit:	5 quarter hours
Prerequisite:	Spanish IV 506

Spanish V is a continuation of the contemporary language stressing the four language skills — listening, speaking, reading and writing.

508 SPANISH VI (521)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Spanish V 507

This course is a continuation of Spanish V, 507, and is the culmination of the second year of this language.

509 SPANISH COMPOSITION & GRAMMAR I (None)

Grade:	To those students having covered 6 quarter hours of Spanish (Spanish I-VI)
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Spanish VI 508

This course is taught in the language. Students communicate their thoughts through writing.

510 CIVILIZATION OF SPAIN I (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Spanish VI 508

This course will give the student an insight into the heritage of Spain. The student is introduced to the geography, history and most prominent figures of Spain. Emphasis is placed on the factors that altered the course of Spanish civilization.

511 LATIN AMERICAN CIVILIZATION I (None)

Grade: 11,12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Spanish VI 508

This course is a study of the culture of each of the countries in South America where Spanish is spoken. It covers a preliminary study of Spanish culture, the origin of the Latin American Civilization, geography, history, literature, art, music and inter-americanism.

512 LATIN AMERICAN CIVILIZATION II (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Spanish VI 508

This course is a study of the culture of each of the countries in North America and Central America where Spanish is spoken. It covers a preliminary study of Spanish culture, the origin of the Latin American civilization, geography, history, literature, art, music and inter-americanism.

513 SPANISH SHORT STORIES I (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequsite: Spanish VI 508

In this course short stories are discussed and tested in Spanish; thus, the students will be able to increase their vocabulary, and to improve their speaking, writing and reading ability.

514 SPANISH SHORT STORIES II (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Spanish VI 508

In this course short stories are read, discussed and tested in Spanish; thus the students will be able to increase their vocabulary, and to improve their speaking, writing and reading ability.

* 515 SPANISH SHORT NOVEL (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Spanish VI 508

In this course three short novels, in the original version, will be read. The novels have been selected because of their simplicity of style, as well as their literary value. Thus the students have the pleasure of reading good literature.

521 GERMAN I (518)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

In this course the student is introduced to German and learns greetings, the alphabet, the cardinal numbers, people's names, family titles, classroom objects and weather expressions.

522 GERMAN II (518)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German I 521

In this course students become familiar with calendar terms, cardinal numbers, time expressions, names of typical German buildings, foods, table settings, sports, games and are introduced to features of German word-order and present tense forms.

523 GERMAN III (518)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German II 522

In this course students continue to expand through a study of vocabulary, telephone expressions, means of transportation, furniture and rooms of a house.

524 GERMAN IV (528)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German III 523

In this course the student learns how to give directions in German, the German vocabulary for articles of clothing and colors, how to order a meal in a German restaurant and the German terms for the parts of the body. Grammar study is continued.

525 GERMAN V (528)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German IV 524

In this course students continue their study of travel and transportation through intermediate level dialogs and prose selections. They learn to use the simple past tense and to use the language for purposes of exposition.

526 GERMAN VI (528)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German V 525

In this course students continue reading expository German as well as dialogues about geography, products, foreign exchange students and parliamentary procedure. The student learns how to outline a prose passage in German.

527 GERMAN VII (None)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German VI 526

This course is a continuation of the basics of the language. Students will increase mastery of the patterns already introduced.

528 THE GERMAN SHORT STORY & POETRY (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German VII 527

In this course students read several contemporary short stories in German. The stories are read not only for content but also for structure and literary technique. Writing practice is included in the course.

529 THE GERMAN NOVELLE & DRAMA (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German VII 527

This course is a study of the Novelle, a unique type of German literature. Several Novellen are read during the course with the purpose of acquainting the student with the various German literary movements.

530 GERMAN LITERATURE & HISTORY I (Early Germany through Enlightenment) (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German VII 527

This course is a study of the periods of German literature and history from the Roman times through the Enlightenment, which includes the Middle Ages, the Renaissance and the Reformation.

531 GERMAN LITERATURE & HISTORY II (Romanticism & Realism) (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German VII 527

This course is a combined study of the history of the 18th and 19th centuries and of the literature of this period. The relationship between the two is emphasized. Historical facts and the philosophies influencing them, plus the poetry of the period are included.

532 GERMAN LITERATURE & HISTORY III (Contemporary) (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: German VII 527

This course is a brief study of German history from World War I to the present. Literary works in this period and how they influenced events in Germany and abroad are emphasized.

541 LATIN I (517)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

Latin I, II, and III comprise the basic first year course. Students learn the vocabulary, forms, and principles of grammar necessary for translation.

542 LATIN II (517)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Latin I 541

Latin I, II, and III comprise the basic first year course. Students learn the vocabulary, forms, and principles of grammar necessary for translation.

543 LATIN III (517)

Grade: 9
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Latin II 542

Latin I, II, and III comprise the basic first year course. Students learn the vocabulary, forms, and principles of grammar necessary for translation.

544 LATIN IV (527)

Grade: 10
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Latin III 543

Latin IV, V, and VI comprise the basic second year course. The major emphasis is upon learning the social values of the language, becoming better acquainted with the literature, and understanding the civilization.

545 LATIN V (527)

Grade: 10
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Latin IV 544

Latin IV, V, and VI comprise the basic second year course. The major emphasis is upon learning the social values of the language, becoming better acquainted with the literature, and understanding the civilization.

546 LATIN VI (527)

Grade: 10
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: Latin V 545

Latin IV, V, and VI comprise the basic second year course. The major emphasis is upon learning the social values of the language, becoming better acquainted with the literature, and understanding the civilization.

547 LATIN VII — Cicero

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Latin VI 546

In this course students read Cicero and his contemporaries, Pliny's letters and Gellius. These writers give interesting background to Roman life and culture.

548 LATIN VIII (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Latin VII 547

In this course students read Cicero's first oration against Catalina — Life of Cicero, the conspiracy of Catalina against Rome. The student becomes familiar with Roman politics.

549 LATIN IX (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Latin VI 546

In this course the student reads poems written by Ovid and learn his style and metre.

* 550 LATIN X — The Aeneid, Book I (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Latin VI 546

In this course the student studies the life of a famous classical poet with mythology and religion included. This course is primarily the translation of the Aeneid (the wanderings of a man, Aeneas, from the time of the fall of Troy to the founding of Rome).

* 551 LATIN XI —The Aeneid, Book II (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Latin VI 546

In this course students read Virgil's Aeneid — Book II about the further wanderings of Aeneas with a mythological background.

* 552 LATIN XII (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Latin VI 546

In this course the student reads the Aeneid, Book I, Aeneas' wanderings, lines 418 - 756 where Dido shows her great interest in Aeneas.

561 FRENCH I (514)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is an introduction to the French language through sound. Conjugation of verbs as well as the formation of questions with basic vocabulary development are stressed.

562 FRENCH II (514)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French I 561

This course involves more in-depth verb study and the grammar concepts: contractions, partitive, direct object pronouns and adjectives.

563 FRENCH III (514)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French II 562

This course entails a continuation of verb study as well as the following: geographical names, adjectives, indirect object pronouns.

564 FRENCH IV (524)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French III 563

This course involves a more advanced treatment of the verb including the presentation of a new verb tense.

565 FRENCH V (524)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French IV 564

In this course more advanced and varied vocabulary is used as well as the introduction of a new tense and other structures.

566 FRENCH VI (524)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French V 565

This course is introduced by a study of a pictorial essay of French influences throughout the world and is followed by advanced pronouns, the future and conditional tenses of verbs.

567 FRENCH VII (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VI 566

This course is the culmination of the Audio-Lingual Method with the presentation of the subjunctive mood and general review of French I to VI.

568 ADVANCED CONVERSATION & COMPOSITION I

(None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567

This course emphasizes the study of grammar, including verb tenses, articles, agreement of adjectives, relative pronouns, idioms, etc. The use of conversational skills is also developed through the introduction of topics relevant to the student. Current vocabulary is introduced daily having to do with current events in France and the United States. Newspaper and magazine articles, current movies, fads, high school events and other topics are introduced daily in French and broaden vocabulary and give the student linguistic confidence.

° 569 ADVANCED CONVERSATION & COMPOSITION II (None)

Grade:	11 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Advanced Conversation & Composition I 568

This course is a continuation of French 568, Advanced Conversation & Composition I

° 570 THE FRENCH TEENAGER TODAY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VI 566

This course acquaints the American student with various aspects of French life affecting the French youth today including sports, student life and politics.

° 571 WHO'S WHO IN FRANCE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567 or consent of instructor

In this non-sequential course many renowned French personalities both from the past and the present, chosen from the areas of politics, sports, literature, history, music, art and science are presented and the relevance of their contributions to society is discussed.

° 572 COMPREHENSIBLE COMMUNICATION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567 or consent of instructor

The objective of this course is for the student to be able to understand and communicate in written French. Topics covered are general grammar review, instruction on how to write a letter, both business and personal, commercial advertisements, magazines and newspaper articles, cartoons and slang expressions.

° 573 BEAUTIFUL FRANCE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VI 566

This course is a study of the provinces of France and what differentiates each of them physically, culturally, politically and economically.

574 INTRODUCTION TO FRENCH LITERATURE I (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567

This course serves as an introduction to short French literary works stressing the building of vocabulary and increased experience with various grammar structures. Different works are read in both Introduction to French Literature courses.

575 INTRODUCTION TO FRENCH LITERATURE II (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567

This course serves as an introduction to short French literary works stressing the building of vocabulary and experience with various grammar structures. Different works are read in both Introduction to French Literature courses.

° 576 THE FRENCH SHORT STORY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567 or consent of instructor

In this course the student reads representative French short stories and studies distinguishing features, outstanding exponents of the genre, and relationship to English language works of this type.

577 INTRODUCTION TO 19th & 20th CENTURY FRENCH LITERATURE I (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to French Literature I 574 or II 575

In this course French literary selections from the 19th and 20th centuries are read with emphasis placed on new vocabulary, plot, character study and style.

578 INTRODUCTION TO 19th & 20th CENTURY FRENCH LITERATURE II (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to French Literature I 574 or II 575

In this course French literary selections from the 19th and 20th centuries are read with the emphasis placed on new vocabulary, plot, character study and style.

FOREIGN LANGUAGE DEPARTMENT
continued

* 579 FRENCH DRAMA (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	French VII 567

This course is a general overview of dramatic trends from 16th to the 20th centuries and concentrates on reading and interpreting various plays from each century.

580 FRENCH HISTORY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course the student studies the history of France and its relationship to the rest of the world. The chief literary, cultural, artistic and philosophical movements and their effect upon French and world history are stressed. This course is taught in English.

581 FRENCH FOR TOURISTS (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed for students who may find themselves in a French speaking situation and want to learn how to be able to function linguistically. It explores the areas of verbal communication in a restaurant, hotel, pharmacy, train station, post office and other areas important to the traveler.

* 590 RUSSIAN I (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students learn the Russian alphabet, basic sentence formation and simple vocabulary dealing with the home, family, numbers, time and leisure activities. They learn the fundamentals of Russian geography.

* 591 RUSSIAN II (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Russian I 590

In this course students broaden basic vocabulary to include such aspects of city living as transportation, entertainment, school and shopping. Narration in past tense is introduced.

* 592 RUSSIAN III (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Russian II 591

In this course basic vocabulary is extended to include the planning of careers, trips and other projects, necessitating use of the future tense. More complex sentence structure involves use of adjectives in description.

* 599 GENERAL LANGUAGE (501)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This is a study of man's methods of communication. Signs, symbols, the art of writing, words and how they are used, families of language and the study of the origin of the English language are examined. The introduction of the various foreign cultures by means of a general survey into the different languages, customs and peoples provides further enrichment. This course is taught in English.

APPLIED BIOLOGICAL & AGRICULTURAL RELATED OCCUPATIONS

Courses in this area are designed for students with career interests in horticulture, conservation, farm management, agricultural mechanics, agri-business, and related fields. Students may select a sequence of courses which will provide meaningful career exploration designed to assist in educational and occupational planning and decision-making, vocational competencies for entry into, and advancement within, occupational job clusters and adequate background for further education in vocational and technical school, community college and university programs.

600 INTRODUCTION TO AG OCCUPATIONS (871)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students learn about ag-related occupations through a study of the areas of plants, animals, recreation, plant and animal product processing and ecology. Mechanics lab experiences are incorporated in the course.

601 INTRODUCTION TO HORTICULTURE (873)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students gain practical experience with the culture of plants for ornamental and esthetic purposes. Students are introduced to employment opportunities in the design and care of lawns, greens, shrubs and flowers. The propagation of greenhouse plants, care of lawns and characteristics of trees and shrubs for landscaping are an integral part of this course.

602 LANDSCAPING & TURF CARE (None)

Grade:	10, 11, 12
Quarters:	2 consecutive
Periods per week:	7
Credit:	10 quarter hours (5 quarter hours per quarter)
Prerequisite:	None

APPLIED BIOLOGICAL & AGRICULTURAL RELATED OCCUPATIONS
continued

In this course students train for employment in the design and care of lawns, trees, shrubs, evergreens, and flowers. They learn the common practices and problems relating to soils, fertilization, mowing, aeration, pruning, spraying, seeding, planting and transplanting.

603 GREENHOUSE MANAGEMENT (None)

Grade:	11, 12
Quarters:	2 consecutive
Periods per week:	7
Credit:	10 quarter hours (5 quarter hours per quarter)
Prerequisite:	None

In this course students study greenhouse construction and operation. Factors such as temperature, light, soils, gases, nutrition and watering are experimented with in the greenhouse to learn the effect on greenhouse crops. During the course the following crops will be grown in the greenhouse: Poinsettia, Easter Lilies, Chrysanthemums, Foliage Plants, Geraniums and Bedding Plants.

604 FLORAL ARRANGEMENT AND DESIGN (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students study basic floral arrangement principles in the classroom. Techniques of floral arranging and corsage-making are learned from practice and observation of floral pieces at various commercial flower shops visited by the class.

605 AGRICOLOGY (877)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students learn the relationship between the earth's natural resources and man.

606 FORESTRY & WILDLIFE MANAGEMENT (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Agricology 605

In this course students gain practical experience in the planting and management of trees for forestation and wildlife cover. Students study ways of improving wildlife habitat in our area. Attention is given to the development of recreation areas and the management of them for wildlife conservation.

607 AIR AND WATER CONSERVATION TECHNOLOGY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Agricology 605

In this course students study methods of controlling air and water pollution. Methods of testing pollution levels are studied with the help of local industry and municipal officials. Students study conservation practices such as the use of man-made lakes, terraces, minimum tillage and sod planting.

608 BEGINNING PLANT SCIENCE & ECOLOGY (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students learn about factors affecting plant growth and development through planned learning experiences with fertilizers and ag chemicals. Students study effects of plant food and chemicals on the environment. Students conduct a supervised experience program on the school land laboratory, greenhouse or on the home farm.

609 ADVANCED CROP PRODUCTION (875)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students interested in farming or supplying and servicing the farmer study the production of corn, soybeans, alfalfa, and small grains. Crop diseases, weed control, tillage methods and field machinery are an important part of the course.

610 ANIMAL NUTRITION AND SELECTION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students gain knowledge and skills concerned with the feeding, care and selection of large animals. Students get practical experience judging livestock and participate in a livestock judging contest.

611 RECREATION ANIMAL CARE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Animal Nutrition & Selection 610 or consent of instructor

In this course students study occupations related to dogs, cats, horses and other recreation animals.

612 LIVESTOCK MANAGEMENT (874)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Animal Nutrition & Selection 610

In this course students study agribusiness or production agriculture. Livestock housing development, feed-handling equipment and management techniques necessary for the production of swine, beef, dairy and poultry is included.

613 TRACTOR TUNE-UP & MAINTENANCE (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

APPLIED BIOLOGICAL & AGRICULTURAL RELATED OCCUPATONS

continued

This course is designed for students who want a basic mechanics course applied to tractors or small engines. Students gain practical experience servicing tractors and small engines in the ag mechanics lab. Lab experience in tune-up covers plugs, points, battery, timing, valve adjustment and carburetor adjustment.

614 GAS & DIESEL TRACTOR MECHANICS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Tractor Tune-Up & Maintenance 613 or consent of instructor

In this course students are trained for employment in ag-mechanics or diesel truck mechanics. Students are given hands-on instruction in engine overhaul including valves, rings, sleeves and bearings. Diesel injectors and pumps are an important segment of the course. Students learn how to test and adjust diesel injection nozzles and time diesel pumps.

615 AG MACHINERY TECHNOLOGY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Tractor Tune-up & Maintenance 613 or consent of instructor

In this course students train for employment in ag-mechanics businesses or farming. Students study the operation and adjustment of machinery with special attention given to new types of equipment.

616 BASIC ARC & OXYACETYLENE WELDING (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students learn to use the electric arc welder and the oxyacetylene welder. Basic metallurgy and proper electrode selections are included in the course.

617 AGRICULTURAL ELECTRIFICATION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students gain knowledge of electrical wiring. Students gain practical experience wiring 3 and 4-way switches, reversing electric motors and wiring a 100 amp service entrance box. The selection and wiring of electrical controls such as pressure switches, time delay relays and timers are an important part of the course.

618 AGRICULTURAL BUILDINGS & CONSTRUCTION (872)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students study types of structures, concrete, insulation, and ventilation with attention given to recent recommendations for livestock buildings and animal waste control structures.

619 AGRIBUSINESS MANAGEMENT (876)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students study management tools which will help them advance in agribusiness and farming. Students learn economic principles useful in decision-making, including Ag law, Taxes, Insurance, Credit, Partial Budgets and Record Keeping systems. Students must conduct a supervised experience program on the home farm and/or be employed in an agribusiness.

* 620 AGRICULTURE COOPERATIVE EXPERIENCE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Completion of at least one previous ag course or consent of instructor

Students in this course carry out a supervised experience program with related classroom instruction. The student receives a variety of learning experiences as laid out in the training agreement developed by the instructor and cooperating business at the beginning of the supervised occupational experience.

621 INDEPENDENT STUDIES IN AGRICULTURE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course enables students to receive instruction in an ag-related area where no course is offered. It also provides the opportunity for advanced students to continue with instruction in their area of interest.

BUSINESS MARKETING & MANAGEMENT

Courses in this area are designed for students with career interests in merchandising, sales, secretarial, clerical, data processing and other business related occupations. A wide selection of courses is available to supplement other career and personal plans.

Students may select a sequence of courses which will provide meaningful career exploration designed to assist in educational and occupational planning and decision-making, vocational competencies for entry into, and advancement within, occupational job clusters and adequate background for further education in vocational and technical school, community college and university program.

626 BASIC BUSINESS (611)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is designed to provide a basic knowledge of business principles and consumerism. The student gains a general background for everyday business experiences. In addition, the student compares our economic system to others, explores the three types of business ownership, and gains insight into money management, savings and investing.

627 INTRODUCTION TO MANAGEMENT CAREERS (611)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course offers the student the opportunity to explore career possibilities in the business world. The student is introduced to: Salesmanship, Real Estate, Advertising, Retail Merchandising, Business Law, Marketing and Insurance.

628 INTRODUCTION TO CLERICAL CAREERS (611)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

In this course the student is offered an opportunity to explore areas leading to office employment. The student is introduced to various types of business machines, and to reading and writing of shorthand. In addition, the student is introduced to methods and procedures of record keeping and basic data processing concepts. Students investigate careers to further plan study in the area of their interest.

629 BUSINESS PROBLEMS (601)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

In this course emphasis is placed on arithmetic and the development of problem solving ability. This includes basic fractions, decimals and per cent as applied by the student in the business world. Upon completion of the course the student is able to figure hourly wages, overtime, commissions, income tax, interest on loans, discounts, etc.

630 FAMILY BUDGET, CREDIT & BANKING (601)

Grade: 9, 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

In this course students study banking services such as checking accounts, savings accounts, loans and other special services. Also, they learn the basic principles of credit and family financial budgeting.

631 ELEMENTS OF ADVERTISING (None)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This is a survey course designed to give the student a general background in advertising. The course includes the position and psychology of advertising in business today. Also, the selection of the advertising media, the creation of advertising, the mechanical production of advertising and the coordination of the advertising mix is included.

632 PERSONAL SALES & PROMOTION (633)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

In this course the student gains a broad knowledge and understanding of the general principles of selling. It acquaints him with the environment in which the salesman works and prepares the student as realistically as possible for the business world.

633 RETAIL MERCHANDISING & DISPLAY (634)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This is a basic survey course which introduces the student to the following aspects of retailing: selection of location and financing of a business; the merchandising, service, credit and personnel policies in the retail store; selection of goods, handling and pricing of merchandise, inventory control; in-store promotion and government regulation of the retail store.

634 PERSONAL USE LAW & CONTRACT LAW (636)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is the study of law applied to common experiences. The student studies the nature and kinds of laws, courts and our court system, legal rights and duties, legal aspects of employer/employee relations, commercial papers, transfer of commercial papers, rights of holders and liability of parties to commercial papers.

635 SALES & BAILMENTS LAW (636)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course covers some of the basic principles of law encountered in everyday transactions carried on by the individual. It is the study of buyer and seller legal relations. Different types of bailments and their legal implications are explored. Types of insurances, particularly automobile insurance is studied.

* 636 CONTRACTURAL LAW (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is a study of basic contracts and agreements. How they are formed, kinds of agreements, competent parties, legal agreements, consideration, discharge of contracts,

remedies for breach of contract are studied. The study of property involves both personal and real property, landlord and tenant legal relations and the importance of wills.

637 ELEMENTS OF INSURANCE (611)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This is a course for students who wish to learn the principles of life, health, auto and home owners insurance and their applications. This course embodies consideration of personal and business risks.

638 ELEMENTS OF REAL ESTATE, Business Finance & Investment (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

This course is designed to acquaint the student with real estate principles, the legal dimensions of real estate, real estate credit and home investment. In addition it includes the elements of business finance and personal investments in stocks, bonds and other securities. This course is designed for the above average student.

639 PERSONAL TYPING (650)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 3 quarter hours
Prerequisite: None

This is a course for students who wish to learn how to use the typewriter for personal use. It embodies manuscript typing with emphasis on term papers, basic letter styles and tabulations.

640 INTRODUCTION TO TYPING (621)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: None

This is an introductory course including the presentation of the keyboard and the development of basic skills in rapid and accurate operation of the typewriter. This course will stress the proficiency in margin settings, horizontal and vertical centering and basic tabulations.

641 MANUSCRIPT & TERM PAPER TYPING (622)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Introduction to Typing 640

In this course a student learns to type term papers including title page, table of contents, section and paragraph headings, footnotes and bibliographies.

642 BUSINESS CORRESPONDENCE TYPING (622)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Introduction to Typing 640

In this course emphasis is placed on different letter styles, carbon copies, envelopes, postal cards, invoices, memorandums and other business forms.

643 PRE-EMPLOYMENT TYPING (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Manuscript & Term Paper Typing 641
Business Correspondence 642

In this course the student develops a production speed required for office job placement.

644 CAREERS TYPING (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
prerequisite: Manuscript & Term Paper Typing 641
Business Correspondence Typing 642

In this course the student acquires occupational skills and job intelligence needed for placement. Some of the specific areas covered are: legal documents, medical forms, receptionists' duties, filing rules, transcribing machines and duplicating processes and message composition.

645 APPLIED OFFICE TYPING (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Introduction to Typing 640
Manuscript & Term Paper Typing 641
Business Correspondence Typing 642

This is an advanced course of typing. Emphasis is placed on a high degree of accuracy, independent judgment, rough drafts, technical materials, complicated tables and common office forms.

646 ADDING & CALCULATING MACHINES (641)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: None

Study in this course enables the student to skillfully operate adding and calculating machines, printing calculators, 10-key adding machines, full-key adding machines, electronic calculators, key-driven calculators, and rotary calculators.

* 647 KEY-PUNCH (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Introduction to Typing 640

This course provides the basic training that allows the student to become a qualified operator of the card punch machine. The student studies the theory and principles of automated data processing, punched cards as an input media, and the programming of a card.

648 BASIC COMPUTER CONCEPT (652)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 5
Credit: 5 quarter hours
Prerequisite: None

In this course the student gains a basic understanding of electronic data processing. It acquaints the student with changes that have taken place in processing of data because of the electronic computer, methods of recording, sorting, and classifying data and methods of preparing reports.

* 649 INTRODUCTION TO BASIC COMPUTER LANGUAGE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Basic Computer Concepts 648

In this course the student becomes acquainted with some basic concepts underlying programming. The student is able to write and process programs in several different languages: Colial, RPG, Basic Machine Language.

* 650 BUSINESS APPLICATION TO DATA PROCESSING SYSTEM (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Basic Computer Language 649. Recomended—Basic Computer Concept 648 and Basic Accounting 651.

This course is a study of the principles of Data Processing in programming business problems, such as accounts receivable, accounts payable, payroll, business statements and other related business problems.

651 BASIC ACCOUNTING (625)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course emphasis is placed on the basic principles, concepts and procedures of accounting that every student must understand if he expects to have a maximum opportunity when he enters the business world. The student is introduced to the accounting cycle, financial statements and payroll systems.

652 INTERMEDIATE ACCOUNTING (626)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Basic Accounting 651

In this course the accounting student is introduced to more complex accounting concepts. These concepts include the continuation of the accounting cycle, acounting for sales tax, bad debts, depreciation, notes, accrued income and accrued expenses.

653 ADVANCED ACCOUNTING (626)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Intermediate accounting 652

In this course special emphasis is placed upon the importance of proper accounting to management. It includes a study of voucher systems, inventory control systems and budgetary control systems.

654 PARTNERSHIP & CORPORATE ACCOUNTING (627)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Intermediate Accounting 652

This course is a continuation of the study of the accounting cycle in relation to partnership and corporate forms of business organization. The study of the partnership includes admission and withdrawal, division of net income or net loss in the fiscal period and financial reports. The study of the corporation includes the formation of transactions with stocks and bonds and financial and fiscal reports.

655 COST ACCOUNTING (627)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Advanced Accounting 653

This course involves a study of the system of internal accounting wherein the unit cost of the product is determined. These costs involve elements of manufacturing, processing and marketing.

* 656 COMPUTER AUGMENTED ACCOUNTING (None)

Grade:	12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Basic Accounting 651

This is a study of the utilization of the computer in the actual manipulation of the numerical concepts common to all accounting principles. Students are involved in "hands off" utilization of an 1130 or Systems Three Computer installation to solve lab accounting problems.

* 657 NOTETAKING (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

This course is designed to develop a personal skill beneficial for college bound students in taking notes during lectures and reading for research.

* 658 MACHINE SHORTHAND I (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	None

This course is designed to familiarize students with the operation of a shorthand machine (i.e. stenograph machine). This is the basic method in court reporting and similar professional situations which involve extensive and accurate transcription of verbal data.

* 659 MACHINE SHORTHAND II (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Machine Shorthand I 658

This course is a continuation of Machine Shorthand I 658, with emphasis on building speed and accuracy.

BUSINESS MARKETING & MANAGEMENT

continued

* 660 MACHINE SHORTHAND III (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Machine Shorthand II 659

This course emphasizes transcription of machine shorthand at the typewriter.

661 INTRODUCTION TO SHORTHAND THEORY (631)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Typing 640 or concurrent enrollment

The course introduces the theory of Gregg shorthand including letters of the shorthand alphabet, blends, phrases, brief forms, punctuation, spelling and vocabulary. The student is introduced to dictation and transcription.

662 ADVANCED SHORTHAND THEORY (631)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Business Correspondence Typing 642 Credit or concurrent enrollment in Introduction to Shorthand Theory 661

The student reviews shorthand theory, and is exposed to further grammar, spelling, punctuation and vocabulary. An extensive program of dictation and transcription working with shorthand lab, speed drills and skill practice is included.

663 SHORTHAND DICTATION (631)

Grade:	11, 12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Introduction to Typing 640. Advanced Shorthand Theory 662. RECOMMENDED — Communications in Business English 669

This course is a comprehensive review of grammar, punctuation, spelling and vocabulary. The student works on building speed with an emphasis on perfecting transcription.

664 DICTATION FOR TRANSCRIPTION (632)

Grade:	11, 12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Shorthand Dictation 663

In this course emphasis is placed on mailable letters with envelopes and carbons. All transcription is done by machine, stressing speed, dictation and typing.

665 ADVANCED SHORTHAND (632)

Grade:	12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Dictation for Transcription 664

In this course students work on developing speed and accuracy, including emphasis on difficult shorthand outlines from various career fields.

666 SECRETARY ON THE JOB (632)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Dictation for Transcription 664

In this course a student is given on-the-job type experiences, including taking dictation, transcribing letters, typing business forms, filing and composing business correspondence.

* 667 SECRETARIAL OFFICE PRACTICE (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Advanced Shorthand Theory 662. RECOMMENDED — Adding & Calculating Machines 646

In this course the student becomes familiar with filing, proper office telephone usage, machine transcription, operation of the spirit duplicator and mimeograph machines, and shorthand transcription.

* 668 APPLIED SECRETARIAL EXPERIENCE (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Secretarial Office Practice 667

In this course the student uses the skills learned in Secretarial Office Practice in a simulated office situation. The simulated office includes a receptionist, secretaries, stenographers, clerks, managers and accountants.

669 COMMUNICATIONS IN BUSINESS ENGLISH (642)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Business Correspondence Typing 642

In this course emphasis is placed upon a review of grammar, punctuation, sentence structure, spelling, vocabulary, dictionary usage, word division, listening skills and oral communications. The students practice writing paragraphs by applying the principles learned.

670 ADVANCED COMMUNICATIONS IN BUSINESS ENGLISH (642)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Communications in Business English 669

In this course the major emphasis is placed upon the principles of letter writing. It provides the student with a knowledge of the proper form and tone of business correspondence.

671 MODERN CONCEPTS OF DISPLAY (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Personal Sales & Promotion 632

This course is designed to promote an understanding of the need and use of all types of displays found in various retail businesses.

BUSINESS MARKETING & MANAGEMENT
continued

672 MARKETING RESEARCH (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Retail Merchandising & Display 633

In this course emphasis is placed on the steps involved in collecting accurate data in the field of marketing. The topics to be covered in this course include, how to make decisions in marketing research, methods of gathering primary and secondary data, sampling and the training of interviewers and preparation and presentation of the research report.

673 OFFICE PRACTICE (641)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Typing (any 2 quarter courses)

This course is designed for students interested in clerical office jobs. Basic areas covered are: carbon copies, cutting stencils and ditto masters, operating fluid duplicator and mimeograph machines, machine transcription, letters, memos, invoices, business reports and other office type jobs.

674 APPLIED OFFICE EXPERIENCES (641)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Adding & Calculating Machines 646 Office Practice 673

This course is concerned with full scale office simulation. Students who participate in this simulation perform office jobs based on previously learned skills.

COOPERATIVE EDUCATION

The Cooperative Education Program is designed to give students on-the-job experience in the world of work — the plant, office, store or institution. By teaching the student to interact effectively with fellow workers, and the conditions under which he works, the student acquires capabilities which will persist as he progresses in his career.

A choice of several cooperative education courses is available. A related "in-school" class is required combined with approximately 15 hours of on-the-job experience.

680 COOPERATIVE ON THE JOB TRAINING IN DISTRIBUTIVE EDUCATION (None)

Grade:	11, 12
Quarters:	1 to 6
Periods per week:	determined by approved placement
Credit:	5 quarter hours (up to maximum of 30 quarter hours credit)
Prerequisite:	Concurrent enrollment in appropriate related Distributive Education class.

In this course students are placed in a job related to marketing or distribution. The job is a training station and credit is given for on-the-job training.

681 OVERVIEW OF MARKETING AND BASIC RETAILING CONCEPTS (D.E.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative on-the-job Training in D. E.

In this course the student is concerned with the marketing process, and how to get the product from producer to consumer. The course also deals with the retailing industry and its role in the total marketing process. The student develops an organized plan of training for expected learning outcomes which are to be correlated to his on-the-job experiences in the Cooperative Education program.

682 CREATIVE SALES AND PROMOTIONAL DISPLAY FOR RETAILING & DISTRIBUTION (D.E.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative on-the-job Training in D.E.

In this course emphasis is placed on the two important elements of retailing; distribution-selling and promotion of the product. The student develops a sales presentation after acquiring the needed information. In addition an overview of the entire range of sales promotion activities is presented, including advertising, display and public relations. It is essential that every student have an approved job in the field of distribution.

683 EMPLOYMENT ORIENTATION IN THE AREA OF MARKETING (D.E.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative on-the-job Training in D.E.

This course is designed to provide the student with an opportunity to explore jobs in different segments of marketing. Areas covered in this survey include: the automotive industry, home furnishings, apparel and accessories, food distribution and food services, hardware, building materials, farm and garden supplies and marketing services. The student is made aware of how to make proper job and employer choices, prospects for success in marketing, and how to find the first full time job in marketing. It is essential that every student have an approved job in the field of distribution.

COOPERATIVE EDUCATION

continued

684 COOPERATIVE ON THE JOB TRAINING IN OFFICE OCCUPATIONS (None)

Grade:	11, 12
Quarters:	1 to 6
Periods per week:	Determined by approved placement
Credit:	5 quarter hours (up to a maximum of 30 quarter hours of credit)
Prerequisite:	Concurrent enrollment in approved related Office Occupations class

In this course students are placed in a job in the area of Office Occupations which must be approved by teacher-coordinator. The job is a training station and credit is given for on-the-job training.

685 THE OFFICE AND YOU (O.O.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, one year of typing and/or interview by teacher-coordinator and concurrent enrollment in Cooperative On-The-Job Training in Office Occupations.

This course is an introductory course in the Office Occupations program. In this course the student develops desirable personal and professional qualities to enable him to avoid conflicts with fellow employees. The student also develops an understanding and appreciation of the office function in the business world. The student develops a systematic outline of specific job details which is correlated with on-the-job training and the related classroom instruction.

686 SECRETARIAL OFFICE PROCEDURES (O.O.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, one year of typing and/or interview by teacher-coordinator and concurrent enrollment in Cooperative On-The-Job Training in Office Occupations.

The course provides refresher instruction in previously acquired skills, such as production typing, use of numbers and symbols, handling incoming and outgoing mail, filing rules and applications, processing data, copying and duplicating, etc.

687 OFFICE SIMULATION IN OFFICE OCCUPATIONS (O.O.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, one year of typing and/or interview by teacher-coordinator, completion of first two quarters in Office Occupations and concurrent enrollment in Cooperative On-The-Job Training in Office Occupations.

In this course, students learn to integrate previously and newly acquired skills through an office simulation project. The project operates with a realistic approach to an actual business office. Students rotate through different office positions.

688 COOPERATIVE ON THE JOB TRAINING IN W.E.C.E.P. (None)

Grade:	9, 10
Quarters:	1 to 6
Periods per week:	Determined by approved placement
Credit:	5 quarter hours
Prerequisite:	Enrolled on advice of guidance counselors and deans. Students will be placed on jobs by coordinator

689 UNDERSTANDING YOURSELF (W.E.C.E.P.) (None)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Students enrolled on advice of guidance counselors, deans, and administration. Concurrent enrollment with W.E.C.E.P. on the job training.

In this course the student gains an understanding of himself. The course is not academic in nature with the purpose of attempting to change the student's attitudes.

690 FINDING AND KEEPING A JOB (W.E.C.E.P.) (None)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Students enrolled on advice of guidance counselors, deans and administration. Concurrent enrollment with W.E.C.E.P. on the job training.

This course is designed to acquaint the student with the sources of job openings, and to develop an understanding of how to get a job.

691 CAREER FIELDS (W.E.C.E.P.) (None)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Students enrolled on advice of guidance counselors, deans and administration. Concurrent enrollment with W.E.C.E.P. on the job training.

This course is designed to acquaint the student with various job opportunities. It acquaints him with careers in relation to geographic location.

692 COOPERATIVE ON THE JOB TRAINING IN C.W.E.I. (None)

Grade:	11
Quarters:	1 to 6
Periods per week:	Determined by placement
Credit:	5 quarter hours
Prerequisite:	Concurrent enrollment in Cooperative Work Experience related class

In this course students are placed in a job approved by the teacher-coordinator. The job is a training station and credit will be given for the on the job training.

693 PREPARING FOR WORK (C.W.E.) (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	First quarter junior, 16 years of age minimum. Testing and interview by coordinator.

In this course the student acquires pre-employment skills necessary for new work. He learns to evaluate himself realistically when making a job choice, and to develop attitudes and understanding that will help get and keep a job. He learns how to determine what jobs he can perform successfully and gains varied work experiences within the school setting or on-the-job training in the community. All students must have job approval by the teacher-coordinator.

694 UNDERSTANDING RESPONSIBILITIES OF THE WORKER AND EMPLOYER (C.W.E.) (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Third quarter junior, 16 years of age minimum. Testing and interview by coordinator.

In the course the student gains an awareness of the responsibility of the worker to the employer. He learns how to understand wage and hour agreements at the time of accepting a job. He acquires the skills necessary to figure the payroll deductions from his paycheck. He is taught the importance of the employer-employee relationship as a team, why workers lose their jobs, and the minimum expectations for a worker. Students gain work experience in on-the-job training. All students must have job approval by teacher-coordinator.

695 UNDERSTANDING THE RIGHTS AND BENEFITS OF THE WORKER (C.W.E.) (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	First quarter senior, 16 years of age minimum. Testing and interviews by coordinator.

In this course the student learns about the basic social security provisions, the Workmen's Compensation Act, and about some of the basic advantages and disadvantages of joining a union. He learns about basic provisions and benefits of hospital insurance plans, and is made aware of the value of many fringe benefits offered to the worker.

696 COOPERATIVE ON THE JOB TRAINING IN C.W.E. II (None)

Grade:	12
Quarters:	3
Periods per week:	All
Credit:	Special Education credit given to fulfill graduation requirements.
Prerequisite:	C.W.E. 1st, 2nd and 3rd quarters

In this course students are placed in a job approved by the coordinator. The job is a training station and credit is given through the Special Education Department. Evaluation of the student is made by the coordinator and the training sponsor. The student-worker must show the ability to successfully retain a job for a minimum of four months. Completion of this program will fulfill graduation requirements. Seminars are conducted concerning job responsibilities, student performance, income tax, social security, leisure-time activities, budgeting, family planning, and changing occupations or jobs. Emphasis is placed on vocational goals for the next five to ten year period.

783 COOPERATIVE ON THE JOB TRAINING IN INDUSTRIAL COOPERATIVE EDUCATION (None)

Grade:	11, 12
Quarters:	1 to 6
Periods per week:	Determined by approved placement
Credit:	5 quarter hours (maximum of 30 quarter hours credit)
Prerequisite:	16 years of age, junior or senior standing, teacher-coordinator approval, concurrent enrollment in appropriate related I.C.E. class

In this course students are placed in a job approved by the teacher-coordinator. The job is a training station and credit is given for on the job training.

784 PREPARATION FOR EMPLOYMENT AND FINANCIAL SUCCESS (I.C.E.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative Education

In this course the student learns how to locate employment, to realize his interests and abilities. The student explores the proper way to apply for a job, hold a job and the requirements for getting promotions. All students must have a job approved by the teacher-coordinator.

785 INVIDUALIZED INSTRUCTION IN SPECIFIC INDUSTRIAL OCCUPATIONS (I.C.E.) (None)

Grade:	11, 12
Quarters:	2
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative on the Job Training

In this course materials are organized to allow the student to study the specific industrial oriented occupation in any of the following but not limited to: Auto Mechanics, Metalworking and Fabrication, Drafting, Electronics. Students progress at their own rate and are encouraged to do further study outside of class.

786 TECHNICAL STUDIES IN INDUSTRIAL COOPERATIVE EDUCATION (I.C.E.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, junior or senior standing, teacher-coordinated approval, concurrent enrollment in Cooperative On the Job Training

COOPERATIVE EDUCATION

continued

In this course students develop a career objective and study related information pertaining to that objective. A study guide is used to study particular occupations. Emphasis is placed on establishing, developing, and evaluating career goals.

787 COOPERATIVE ON THE JOB TRAINING IN H.E.R.O. (None)

Grade:	11, 12
Quarters:	1 to 6
Periods per week:	Determined by approved placement
Credit:	5 quarter hours (maximum of 30 quarter hours credit)
Prerequisite:	16 years of age, junior or senior standing, teacher-coordinated approval, concurrent enrollment in appropriate related H.E.R.O. class.

In this course students are placed in jobs in the area of Home Economics or Health Occupations approved by the teacher-coordinator. The job is a training station and credit is given for on the job training.

788 PREPARING FOR THE WORLD OF WORK (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative On-The-Job Training.

In this course the student learns how to find what jobs are available and the proper procedures for applying for the job he desires. The importance of the student's personality and the various personality needs of different jobs are examined. The student develops an organized plan of training for expected learning outcomes which are correlated with his on-the-job experiences in the Cooperative Education program.

789 INDIVIDUAL INSTRUCTION IN HOME ECONOMICS & HEALTH RELATED CAREERS (H.E.R.O.) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours (maximum of 30 quarter hours credit)
Prerequisite:	16 years of age, junior or senior standing, teacher-coordinated approval, concurrent enrollment in Cooperaive On-The-Job Training.

In this course materials are organized for students to study the occupation in which they are employed. Students progress at their own rate and are encouraged to do further study outside of class. Student progress is also evaluated as the student applies his classroom knowledge and learned techniques to the job.

790 PLANNING HOME ECONOMICS AND HEALTH RELATED CAREERS (H.E.R.O.) (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, junior or senior standing, teacher-coordinator approval, concurrent enrollment in Cooperative On-The-Job Training

In this course, individual students analyze job areas and develop career objectives. Such factors as aptitudes, abilities, and individual traits are studied. Time is spent discussing post-high school training opportunities.

791 COOPERATIVE ON THE JOB TRAINING IN INTERRELATED (None)

Grade:	11, 12
Quarters:	1 to 6
Periods per week:	Determined by approved placement
Credit:	5 quarter hours (30 quarter hours maximum credit)
Prerequisite:	16 years of age, concurrent enrollment in interrelated class

In this course students are placed in a job which is approved by the teacher-coordinator. The job is a training station and credit is given for on the job training.

792 EMPLOYMENT ORIENTATION IN COOPERATIVE EDUCATION (Interrelated) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Junior standing, 16 years of age, approval of instructor, concurrent enenrollment in Cooperative On-The-Job training in interrelated Cooperative Education

This course is designed as an introduction to the Cooperative Education Program. It involves designing areas from which the student gains experience and training related to the student's particular cooperative job.

793 CAREER PLANNING IN INTERRELATED COOPERATIVE EDUCATION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Cooperative On-The-Job Training in interrelated Cooperative Education.

In this course the student combines the job experience currently being gained with future career consideration. Emphasis is placed on individual career opportunities, personal inspection, and developing concrete post-high school plans.

794 PERSONAL ECONOMICS (Interrelated) (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and Concurrent enrollment in Cooperative On-The-Job Training in Distributive Education

The purpose of this course is to enable each student to handle personal money problems that he will encounter after high school. The main areas covered are loans, insurance, taxes, and personal budget. Student-involved simulations enhance the awareness needed to retain learned knowledge for future use.

COOPERATIVE EDUCATION

continued

795 COOPERATIVE ON THE JOB TRAINING IN C.W.T. (None)

Grade:	10, 11, 12
Quarters:	1 to 6
Periods per week:	determined by approved placement
Credit:	5 quarter hours (maximum of 30 quarter hours credit)
Prerequisite:	16 years of age, junior or senior standing, teacher-coordinator approval, concurrent enrollment in related C.W.T. class

In this course students are placed in jobs approved by the teacher-coordinator. The job is a training station and credit is given for on the job training.

796 PREPARING FOR YOUR JOB (C.W.T.) (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and acceptance in Cooperative Education.

Students enrolled in this course have special, social, academic and economic needs. They learn how to locate employment and how to meet their interests and abilities. Students learn the proper way to apply for a job, hold a job and the requirements of getting promotions. Being successful as a young person and as an adult is emphasized.

797 EMPLOYER/EMPLOYEE RELATIONS IN CO-OPERATIVE WORK TRAINING (C.W.T.) (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Co-operative Education.

In this course students learn to be responsible employees. Getting along with others and getting promoted is emphasized, along with changing jobs for advancement purposes.

798 PERSONAL ECONOMICS FOR STUDENTS WITH SPECIAL NEEDS (C.W.T.) (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	16 years of age, approval of instructor and concurrent enrollment in Co-operative Education.

In this course financial management is stressed. Money management, income tax, social security and employee fringe benefits are the primary topics.

INDUSTRIAL ORIENTED

The courses in this area are designed for students with career interest in automotive, drafting and design, electronics, machine and metals, welding, plastics and construction occupations. Students with engineering and technology interest should consider specific courses.
Students may select a sequence of courses which will provide meaningful career exploration designed to assist in educational and occupational planning and decision-making, vocational competencies for entry into, and advancement within, occupational job clusters and adequate background for further education in vocational and technical school, community college and university programs.

700 SMALL ENGINES (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course the student learns the different tools used in repairing small engines. After the proper care and use of the various tools has been taught, the class strips one engine, learning about the parts, design, function and use. Students study compression, ignition carburetion and various other aspects of the engine.

701 ENGINE THEORY & MECHANICAL TESTING (821)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

This course is a prerequisite for all automotive courses. Students study the internal workings of an automobile engine and identify all parts and relationships. Students learn how to use basic automotive testing equipment to evaluate the condition of all working parts.

702 AUTOMOTIVE ELECTRICAL SYSTEMS & ENGINE TUNE-UP (821)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

In this course students learn how the starting, charging and ignition systems operate. Students also learn how testing and repairs are conducted.

703 AUTOMOTIVE FUEL & EMISSION CONTROL SERVICING (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Engine Theory & Mechanical Testing 701

In this course students study checking of the filter gauge components and circuits, flexible fuel lines, pressure and vacuum of pumps, disassembly of carburetor, adjustment of float levels and reassembly after cleaning and inspection.

704 AUTOMOTIVE CHASIS, BRAKE & SUSPENSION (822)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Engine Theory & Mechanical Testing 701

In this course students study steering gear adjustments, tie rod, idler arm and ball joints stabilizers, and setting proper caster, chamber and toe-in adjustments. Brake work involves master cylinder and wheel cylinder rebuilding, bearing inspection, machining drums and removing and replacing brake shoes.

705 AUTOMOTIVE TRANSMISSION & DRIVE TRAINS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Engine Theory & Mechanical Testing 701

In this course transmission removal, disassembly and inspection are studied. Removal of universal joints, drive shafts and balancing the differential area which involves axle bearing removal and replacing are studied. Inspection of pinion, pinion bearing, ring gear carrier bearings and adjusting gear train with proper gauges and dial indicators are studied.

* 706 AIR CONDITIONING & POWER ACCESSORIES (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Engine Theory & Mechanical Testing 701

In this course students study about reconditioning compressors, pressure testing, adding freon, test for leaks and inspecing for proper cooling. Power accessories vary with car components, consisting of power windows, seats, antennas, brake units, wipers, motors, sequence flashers and turn signals.

* 707 BODY REPAIR & PAINTING (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Engine Theory & Mechanical Testing 701

In this course students study window removing and adjustments and the removal and straightening of dents. Painting the repaired areas is the final step.

708 VOCATIONAL AUTO LAB (823)

Grade:	11, 12
Quarters:	3 consecutive, may be repeated
Periods per week:	15
Credit:	3[illegible] quarter hours
Prerequisite:	Engine Theory & Mechanical Testing 701 and two additional courses

In this course emphasis is placed upon the rebuilding of engines, front suspension and drive train, and simulated actual working conditions. The students gain experience in the auto body and alignment field.

709 INTRODUCTION TO DRAFTING FUNDAMENTALS (811)

Grade:	9, 10, 11
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	None

This course deals with basic principles and techniques of engineering drafting as related to industrial manufacturing processes; including lettering, alphabet of lines, graphic geometry, arthographic drawings and dimensioning practices.

710 ENGINEERING GRAPHICS (811)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Introduction to Drafting Fundamentals 709

This course emphasizes standardized and industrial graphic practices. Course content encompasses view analysis by direct and orthogonal methods, sections, primary and secondary auxiliaries, fasteners, surface developments and intersections. New developments and studies in graphics and drafting are presented as they relate to industry.

711 PICTORIAL DRAFTING (812)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
	Engineering Graphics 710

This course deals with theory and construction of parallel and perspective pictorial projections including anonometric and oblique projectures parallel and angular perspective. Elementary rendering techniques as used in technical illustration are also studied.

712 ARCHITECTURAL DESIGN (813)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Introduction to Drafting Fundamentals 709

This course deals with the introduction to elements of architectural drafting. Lettering and symbols, plan layout, elementary design in basic materials, standardized details of windows, doors, floors, roofs, stairs and framing are studied.

713 STRUCTURAL DESIGN & ANALYSIS (813)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Architectural Design 712

In this course students study development of structural systems in bearing wall and skeleton types and foundation, wall, floor and roof construction. Analysis of building materials, wood, stone, and brick, their origin, physical and structural properties are studied.

714 HOUSE PLANS & SPECIFICATIONS (813)

Grade: 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: Structural Design & Analysis 713

In this course a student studies the development and execution of a complete set of architectural working drawings for a single family residence including floor plan, elevations, foundation, plot plan, wall section, perspective and specifications. Students perform calculations to determine heating and air conditioning requirements as well as determine beam, footing and column sizes.

715 DESCRIPTIVE GEOMETRY (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 3 quarter hours
Prerequisite: Pictorial Drafting 711

Graphic methods of dealing with practical and theoretical problems involving size, shape, and relative position of common geometrical elements such as points, lines, planes, curved surfaces and solids and surveying are studied.

716 STRENGTH OF MATERIALS (None)

Grade: 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: None

In this course approximate analysis of elementary stress distributions and deformations; aerial loading, shear and bending movement diagrams are studied.

717 TECHNICAL ILLUSTRATION I (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Pictorial Drafting 711

In this course analysis of illustrations in technical literature, uses of oblique, anonometric and perspective pictorials, exploded views and methods of shading, patent drawings, and design of written and graphic layouts are studied.

718 TECHNICAL ILLUSTRATION II (None)

Grade: 11, 12
Quarters: 1
Periods per week: 5
Credit: 4 quarter hours
Prerequisite: Technical Illustration I 717

This course is a study of the mechanical methods of illustrating. Primary consideration is given to angular, parallel and oblique perspective as a basis of illustration. Emphasis is placed on various types of paraline drawings, techniques of shades, shadows, and pencil and ink renderings for reproduction.

719 RESIDENTIAL HOUSE WIRING (801)

Grade: 9, 10
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: None

This course is a study of proper wiring techniques through the use of proper safety rules, house wiring codes, symbols, tools, circuitry and their application. Emphasis is placed on student built circuits, proper trouble shooting techniques and electrical floor plan layouts.

720 D.C. CIRCUIT ANALYSIS (851)

Grade: 9, 10
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: None

This course is concerned with the production of electricity, its uses, language and symbols, tools, safety precautions, circuits and test equipment. Laws pertaining to D.C. circuits are discussed and verified in student experiments. Actual test equipment is used by the student on student built circuits from electrical kits.

721 A.C. CIRCUIT ANALYSIS (852)

Grade: 9, 10
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: D.C. Circuit Analysis 720

This course is concerned with alternating currents and the effects on resistors, capacitors, coils, and transformers. Experiments to verify the effects of alternating current on various components are done.

722 USE OF TEST EQUIPMENT (853)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 7
Credit: 5 quarter hours
Prerequisite: A.C. Circuit Analysis 721

This course is designed to familiarize the student with all types of electrical and electronic test equipment. The student learns to proficiently use such devices as Volt-Ohm-Millimeter, Vacuum Tube Volt meters, oscilloscopes, regulated power supplies, audio and R.F. signal generation and tube and transistor testers.

723 POWER SUPPLIES (853)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 10
Credit: 7 quarter hours
Prerequisite: A.C. Circuit Analysis 721

This course is a study of the various ways alternating current is stepped up and down, rectified, regulated and filtered into a direct current. Rectifier circuits namely halfwave, fullwave, and bridge rectification are discussed. Also included are the various typse of filter circuits used to smooth at the rectified voltage. The student uses electronic components to build each of the different power supply circuits and to learn proper methods of trouble-shooting them.

724 AMPLIFIERS (853)

Grade: 10, 11, 12
Quarters: 1
Periods per week: 10
Credit: 7 quarter hours
Prerequisite: A.C. Circuit Analysis 721

This course is concerned with the various types and classes of vacuum tube and transistor amplifiers. The student builds the various types of amplifier circuits and learns proper methods of troubleshooting. The student learns about sound systems and their installation.

725 RADIO THEORY & TROUBLESHOOTING (852)

Grade:	11, 12
Quarters:	3 consecutive
Periods per week:	10
Credit:	21 quarter hours
Prerequisite:	A.C. Circuit Anaylsis 721

This course is concerned with the theory of AM, FM, and automobile radios. Students spend most of the time in lab working on all types of radios, learning proper analyzing and troubleshooting techniques.

726 T.V. THEORY & TROUBLESHOOTING (854)

Grade:	11, 12
Quarters:	3 consecutive
Periods per week:	10
Credit:	21 quarter hours
Prerequisite:	A.C. Circuit Analysis 721

This course covers the technical and practical aspects of television. Students gain a good understanding of black and white television the first quarter by working on experimental sets, aligning, troubleshooting and repairing them. The second quarter is spent on color receiving sets. The third quarter is spent in solving complicated defects in both color and black and white.

727 INDEPENDENT STUDY (None)

Grade:	12
Quarters:	1
Periods per week:	Students will satisfy 120 hours work
Credit:	3 quarter hours
Prerequisite:	Power Supplies 723 Amplifiers 724

In this course students plan a project. They do an in-depth research and experimentation to bring this project to a logical conclusion. All projects are agreed upon between the instructor and student.

* 728 COMPOSITION & LAYOUT (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

The student learns the importance of selecting type, sizes, and styles and color relationships that will command and hold attention. He learns how to prepare copy for camera in the same manner as the layout artist and composer in industry.

* 729 PHOTOGRAPHY & PLATEMAKING (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Composition & Layout 728

In this course students learn the operation of the process camera and its associated darkroom through reduction and enlargement of copy, separation of colors through the use of filters, and making masters. Each of these skills develop a stronger appreciation for disciples of Chemistry, Math, Physics when they are viewed as they apply to practical applications.

* 730 BINDERY & DISTRIBUTION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Composition & Layout 728

In this course students learn how flat printed sheets are assembled into books, pamphlets, brochures and how to slit, cut, punch, score or fold the materials. This teaches the relationship and operation of the allied equipment necessary in collating, folding, stapling, addressing, stitching and cutting.

* 731 OFFSET REPRODUCTION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Photography & Platemaking 729

In this course students learn the operation and capability of the equipment. They learn about the many different kinds of paper, its behavior under certain conditions and specific uses, the characteristics of ink and use of color. They develop skills, talents and production experience.

732 INTRODUCTION TO LATHE & BENCHWORK (831)

Grade:	9, 10, 11
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

This course introduces the student to the basic metalworking machine tools including the following: lathe, drill press, pedistal grinder and forge. The student becomes familar with the capabilities of the machines and their parts. Operations such as metal turning, drilling, grinding, tool sharpening and heat treating are studied. Bench includes the use and operation of hand power tools, hand tools, layout and measuring instruments. Areas covered are drilling, surface finishing, threading and inspection. Introduction to lathe and bench work is primarily a lab course with related information covered during single class period meetings.

733 ADVANCED MACHINE TOOL OPERATIONS (832)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Introduction to Lathe & Benchwork 732

The student becomes familiar with machine terminology, operations and advanced setup. Basic experiences in manipulative skills for machining metal to required sizes specified on blueprints and sketches is acquired. The machine tools included are the horizontal and vertical milling machine, surface grinder, tool post grinder, lathe, drill press and shaper. The student uses precision measuring tools such as micrometers, verniers calipers, dial indicators and gauge blocks.

734 MANUFACTURING PROCESSES IN METALWORKING (833)

Grade:	11, 12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Advanced Machine Tool Operation 733 or consent of instructor

This course exposes the student to the various production techniques used in manufacturing. The student will plan, design, manufacture parts and assemble a finished product. Options include designing an individual product or working from prepared blueprints with the purpose of duplicating industrial manufacturing techniques such as jigs, fixtures, plastic molds and castings. Emphasis is placed on working to dimensions specified on the blueprints and procedures used to complete the necessary parts.

735 TOOLS, DIES & INSPECTION (833)

Grade:	11, 12
Quarters:	1
Periods per week:	15
Credit:	10 quarter hours
Prerequisite:	Advanced Machine Tool Operation 733 or Manufacturing Processes in Metalworking 734

Manufacturing processes are discussed with emphasis placed on the production of metal parts through the use of tools and dies. Design, planning, machining, inspection and assembly of tools and dies is the prime concern of the student.

736 SPECIAL PROBLEMS IN MACHINE TECHNOLOGY (833)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	10
Credit:	7 quarter hours
Prerequisite:	Introduction to Lathe & Benchwork 732

This course is designed to meet the needs of a student who desires additional laboratory experience but who does not wish to meet the requirements of a vocationally oriented student. Emphasis is placed upon student selected projects with laboratory and related instruction from the course instructor. Independent studies in other areas of metalworking such as numerical control, electro discharge machining, metalurgy, etc., can be arranged through Elgin Community College.

737 CAREERS IN METALWORKING (833)

Grade:	12
Quarters:	3 consecutive
Periods per week:	15
Credit:	30 quarter hours
Prerequisite:	Three of the following: Introduction to Lathe & Benchwork 732 Advanced Machine Tool Operations 733 Manufacturing Processes in Metalworking 734 Tools, Dies and Inspection 735 Special Problems in Machine Technology 736 Welding Techniques 742

This is a one year course designed for the student who wishes to enter the metalworking area as an occupation upon completion of the course. He researches various metalworking occupations through related study, laboratory exercises and field trip experiences.

738 ADVANCED WELDING & METALURGY (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Welding Techniques 742

This is an advanced course for students interested in pursuing the welding profession. Special attention is given to blueprint reading. This course also includes more difficult arc and gas welding techniques, weld analysis and testing, study of metal structure and the effect of heat treating on metals.

739 WORKING WITH PLASTICS (842)

Grade:	9, 10
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

This is an introductory course to plastics. It deals with the properties and characteristics of plastics and the hand processing of the material. Part of the course deals with pouring a liquid plastic into a mold and the shaping and forming of plastics using cutting tools and heat. Other processes studied are foaming, and fiberglass lay-up of plastic plus mold construction.

740 MANUFACTURING PLASTICS (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

This course deals with the machine processing of plastics. It is a lab course used to study the industrial processes of this material. In each area the course deals with equipment, procedure, product design and mold construction.

741 REINFORCING PLASTICS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Working with Plastics 739

This course deals with the in-depth study of reinforced plastics. The course covers mold construction and deals mainly with the application of fiberglass lay-up.

742 WELDING TECHNIQUES (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

This course is a basic introduction to the use of oxyacetylene and arc welding techniques and equipment. Students study equipment set-up and adjustment, electrode and filler metal selection, metal identification and joint preparation. Laboratory work including laying beads and making various joints is included.

743 MACHINE WOODWORKING (841)

Grade:	9, 10, 11
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

INDUSTRIAL ORIENTED
continued

This course is a basic introduction to the use of machine tools in the production of wood products. Students study basic wood types, properties, construction methods and finishing processes. The majority of class time is spent on planning, building and finishing projects in wood as related to the woodworking industries.

744 FRAME CONSTRUCTION (844)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Machine Woodworking 743

This course is the study of rough carpentry as it applies to house construction in the building trades. Students study about foundations, floor construction, framing walls and partitions, roof construction and exterior finishing.

745 FURNITURE DESIGN & CONSTRUCTION (844)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Machine Woodworking 743

The student studies traditional, classic and contemporary furniture design. Advanced industrial woodworking processes and methods such as lamination, veneering and the more difficult wood joints are stressed. Each student is required to design, plan, construct and finish a project of an advanced nature.

PERSONAL & PUBLIC SERVICES

Courses in this area provide preparation for maximum quality of home and family life for each individual and preparation for careers in child development, food industry, clothing and textiles, interior design and related service occupations. Students may select a sequence of courses which will provide meaningful career exploration designed to assist in educational and occupational planning and decision-making, vocational competencies for entry into, and advancement within, occupational job clusters and adequate background for further education in vocational and technical school, community college and university programs.

750 CHILD DEVELOPMENT (730)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This is a basic course in Child Development starting with conception and continuing through pregnancy until birth, including care of the newborn baby.

751 DEVELOPMENT & CARE OF THE PRE-SCHOOL CHILD (731)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students study the child from infancy to 5 years of age in the areas of physical, social, emotional and intellectual development. This also includes proper care and training of the pre-school child.

752 TECHNIQUES OF EARLY CHILDHOOD EDUCATION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Development & Care of the Pre-School Child 751

In this course students learn about child care facilities and equipment, how to work with young children and planning of activities for the pre-school child.

753 APPLICATION OF TECHNIQUES OF EARLY CHILDHOOD EDUCATION (None)

Grade:	12
Quarters:	1
Periods per week:	10
Credit:	10 quarter hours
Prerequisite:	Techniques of Early Childhood Education 752

In this course students work with children in a Nursery School situation, learning to apply those principles and practices learned in the course Techniques of Early Childhood Education.

754 BASIC CLOTHING CONSTRUCTION (711)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

This course is a basic introduction for students who have had home economics in eighth grade or sewing experience. Study involves the learning of the basic skills of operating the sewing machine using commercial patterns and solving basic fitting problems.

755 FASHIONABLE CLOTHING CONSTRUCTION (725)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Basic Clothing Construction 754 or consent of instructor

In this course students learn to sew interfaced collars, set-in sleeves and waistbands. After developing these techniques the student is ready for a variety of fashionable patterns and interesting careers and hobbies.

756 FIBER, FABRIC, USE AND CARE (726)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

In this course students learn to recognize man-made and natural sources of fabrics, their names, construction and finishes. Students learn how to care for fabrics and basic techniques of sewing selected fabrics.

757 HOME CRAFTS AND HOBBIES (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

In this course students learn basic techniques for needlepoint, crewel, crochet, knitting, embroidery and rug hooking. After discussing the design elements and principles of color, form, texture, balance and harmony, the students construct their own design using these techniques.

758 TAILORING (727)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Fashionable Clothing Construction 755

In this course students study detailed construction of garments with emphasis placed upon the inter-construction. The final project could be a jacket, coat or blazer of wool using tape, padding stitches, bound buttonholes and linings. A future in tailoring may include working in fashion construction and alteration or may be a home money making venture.

759 PERSONAL DRESS DESIGN (727)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Fashionable Clothing Construction 755

In this course students make a personally fitted basic pattern that is used to develop and create clothing that will rival Paris! It is an opportunity for the students to design and construct their own garments.

760 OLD FASHIONS AND NEW FASHIONS (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students study the environment of influential countries and how historical periods have affected clothing. The primary purpose is to transfer concepts of the past to present day fashions. The student selects clothing designs appropriate to her figure type and studies present day fashion designers.

761 SPECIAL FABRIC CONSTRUCTION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Basic Clothing Construction 754

This course is designed for the person who is proficient in sewing with wools and cottons, but wants to learn to sew with both single and double knit fabrics and novelty fabrics such as plastics and leathers. Students have the opportunity to make a garment or another project with these fabrics.

762 PROBLEM SOLVING IN HUMAN RELATIONS (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students study personal relationships concerned with dating, engagement and entering marriage. Emphasis is placed on personal problems and in finding workable solutions. Areas of study are: simple budgeting for young people — single and married, apartment living and working wives.

763 HOME ADJUSTMENT (737)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed to help the student understand the functions of the family through a study of husband-wife relationships and parent-child relationships.

764 KITCHEN KNOW-HOW (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This is a basic course for students with no previous Home Ec-Foods background. It includes measuring techniques, proper use of kitchen utensils and equipment. Basic food preparation principles such as quick breads, salads, cakes, cookies, etc., are included.

765 BAKING (711)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Middle School Home Economics or Kitchen Know-How 764

In this course all phases of home baking are included. Emphasis is on Quick Breads, Yeast Breads, Pies, French Pastries and Desserts.

766 MEALS IN A HURRY, CONVENIENCE FOODS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764

In this course students study the preparation of nutritionally balanced and satisfying meals using instant, ready-to-eat and pre-mixed products.

767 CAKE DECORATING & GARNISHING (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764

In this course students develop skills to make the foods they serve more appealing. The garnishing area deals with simple but effective methods to make our everyday meals look gourmet with the equipment we have in our kitchens.

768 GOURMET FOODS (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764 plus two other Foods classes

In this course students study international cuisine. Areas included are: flaming desserts, table top cooking, foreign foods, sauces and other exotic dishes.

769 CHEF'S FOOD (722)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Meats, Fish & Poultry 773

This course includes various aspects of kitchen management such as purchasing, quality and quantity control. It also includes quantity cooking and meat preparation.

770 FOOD SERVICE (722)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764 plus one other Foods class

This class is offered to those interested in working in a food service such as a restaurant, hotel or cafeteria. Emphasis is on learning how a food service operates, what jobs are available and cooking various foods in large quantities.

* 771 OUTDOOR COOKERY (None)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	4 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764

This course is a study of outdoor cooking which is fast becoming America's national cuisine. Students cook meats, fowl, fish, vegetables, breads and desserts over the coals. Emphasis is on menu planning for leisure meals, basic cooking techniques and use of special equipment.

772 FRUITS, VEGETABLES & FOOD PRESERVATION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764

In this course students learn how to preserve available vitamins and minerals in our foods. Emphasis is placed upon using natural foods to make more nutritional and satisfying menus. It includes canning and freezing techniques.

773 MEAT, FISH & POULTRY COOKING (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764

In this course students study the correct cooking procedures of protein cookery. Variations are emphasized and correct, eye-appealing service is included.

774 MEAL PLANNING & PREPARATION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Middle School Foods or Kitchen Know-How 764

This course includes the basics of nutrition. The importance of good nutrition is emphasized and illustrated through the careful planning and preparation of nutritious meals. Eye-appeal, color texture and good food preparation are other elements included in meal preparation.

775 INTERIOR DESIGN (735)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

This is a course dealing with selection of home furnishings in regard to line, form, texture and color. Emphasis is placed on a home's interior and today's changing life style.

776 FURNITURE — IT'S HISTORY, CONSTRUCTION AND FINISHES (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course deals with a study of European, American and Contemporary furnishings, construction techniques and finishes. It includes instruction on new finishes and refinishing methods.

777 HOUSE STYLES & CONSTRUCTION (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course students study house selection, finance, architectural styles and basic construction procedures. Units cover wiring, plumbing, possible renovation, etc.

778 HOME IMPROVEMENT (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	None

PERSONAL & PUBLIC SERVICES

continued

This is a how-to course designed to give information to help the student make home improvements and repairs. There are many projects to choose from — upholtstery, electrical repairs, refinishing furniture, curtain and drape construction, wallpapering and painting techniques, laying a tile floor, etc.

779 RENDERING — INTERIOR ILLUSTRATION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours
Prerequisite:	Interior Design 772

This course is designed for students with an interest and experience in Art. It deals with illustrating a room's interior through a two-point perspective drawing. Watercolor techniques are studied.

780 BACHELOR SURVIVAL (None)

Grade:	11
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

This course is designed to offer the basics for comfortable living. It includes preparing quick foods for adequate meals and simple clothing care and selection. Also included are vital tips for budgeting and home living.

781 BACHELORETTE SURVIVAL I (738)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

In this course students study how to prepare quick well-balanced meals; to meet financial obligations such as rent, car payments, insurance, everyday living expenses that seem essential; and to prepare for the role of homemaker.

782 BACHELORETTE SURVIVAL II (738)

Grade:	12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

In this course the student learns basic clothing construction techniques and how to furnish a home.

ART DEPARTMENT

The Art Department of Community Unit School District No. 300 seeks to provide a learning environment in the visual arts in which each student can develop self identification, self direction and the skills and knowledge involved in creative action to use through life.

The visual arts program is to be thought of as more than courses and activities confined to the art classroom and laboratories. Art can challenge the creative power and develop personal commitment on the part of the student.

810 DESIGN I (901)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	None

This course introduces the student to the elements and principles of design. It also exposes him to various two dimensional materials and techniques such as drawing, painting and printmaking. This course is designed primarily to expose the student to concepts and basic problem solving in art.

811 DESIGN II (901)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	Design I 810

This course is a continuation of Design I. Instead of working and experimenting with two dimensional techniques and materials, the student is exposed to sculpture, ceramics, textiles and metalworking. This introduction to various medias and techniques will help the student to familiarize himself with the various offerings in the art area and enable him to select the areas he prefers.

812 DESIGN III (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811

This course allows the student to use the principles learned in basic Design I and II in short studies of various art areas. These mini courses in painting, ceramics, jewelry and printmaking will aid students in the selection of advanced art courses.

813 INTRODUCTION TO JEWELRY & METALSMITHING (901)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811

This course is designed to familiarize students with the basic jewelry and metalsmithing techniques and processes. Students begin exploratory research in the following areas: casting, forging, raising, soldering, etching and other related fields. This class is recommended for those students who would like to know these basic processes for a hobby, or as an aspect of a future career.

814 INTERMEDIATE JEWELRY & METALSMITHING (902)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Jewelry & Metalsmithing 813

In addition to the processes learned in Introduction to Jewelry & Metalsmithing, students are challenged with new materials and techniques. Individual expression is emphasized in this class.

57

815 ADVANCED JEWELRY & METALSMITHING (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Intermediate Jewelry & Metalsmithing 814

This is the most individualized course in the Jewelry & Metalsmithing program, enabling students to pursue their ideas in the media of their choice (casting, soldering, forging, raising, etching, etc). Emphasis is placed upon research, experimentation and personal techniques.

816 SCULPTURE I (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811

Students are introduced to working with a variety of media (wood, clay, metal, plaster) in three dimensional terms. Emphasis is placed on exposing the students to different styles and techniques possible in sculpture, through slides of ancient and contemporary work and through practical application.

817 SCULPTURE II (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Sculpture I 816

This course is a more specialized study, placing more emphasis on concepts and techniques. Students are introduced to new materials and techniques. The development of individual concepts is heavily emphasized.

818 SCULPTURE III (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Sculpture I 816

This course is intended for the serious student. Choice of materials and techniques are left to the discretion of the student. Students are expected to develop a personalized style and exhibit good use of techniques and craftsmanship.

819 PRINTMAKING I (901)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Drawing 822 or Design III 812

This course is an introduction to the art of printmaking. The graphic areas covered are intaglio, lithography, serigraphy and woodcut. Printmaking is covered from a technical as well as an artistic viewpoint.

820 PRINTMAKING II (902)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Printmaking I 819

This course is a continuation of Printmaking I and is designed to explore the areas of lithography, serigraphy, intaglio and woodcut in more depth.

821 PRINTMAKING III (903)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Printmaking II 820

This course is a more explorative and experimental approach to the art of printmaking. Work is more individualized and technically involved than in Printmaking I.

822 INTRODUCTION TO DRAWING (901)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design I 810

This course provides basic training in the techniques used in pencil, charcoal, crayon, ball point, silver point, pen and ink, felt tip pen and other one-color drawing media. Emphasis is placed upon drawing as a finished work of art as well as the process.

823 DRAWING IN ALL MEDIA (902)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Drawing 822 or Design III 812

This course provides training in the techniques used in pastels, colored inks, colored pencils, dyes, washes, craypas and other multicolor media. Unusual materials in drawing are introduced and explored by students in hope of achieving distinct effects. Technique and skill in manipulation of materials are stressed in the final stage of the drawing.

824 FIGURE DRAWING & PORTRAITURE (903)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811 or Introduction to Drawing 822

This course is recommended for the advanced art student who desires to learn the necessary fundamentals in order to draw faces, heads and the human figure. Emphasis is placed upon technical competence in rendering the subject, as well as the students ability to express individuality of form and composition.

825 INTRODUCTION TO PAINTING — Painting I (901)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design I 810

In this course students are given the opportunity to study the various techniques of painting, glazing, scumbling, dry brush, wet into wet, blending, etc. Students study the characteristics of the three major painting mediums — oil, acrylic and watercolor. Books, prints and slides of paintings will be discussed, as well as, the students' personal work. Students will experiment and begin to develop their own individual creative means of expression.

826 INTERMEDIATE PAINTING — Painting II (902)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811 and Painting I 825

In this course students are more independent in their approach toward painting techniques. Individual means of expression become more evident in this course. The conscious use of craftsmanship and techniques are stressed with the painting viewed as a finished project.

827 ADVANCED PAINTING — Painting III (903)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Painting II 826

This is an advanced course in which the student is able to further pursue his ambitions and work toward a greater refinement of ideas. The painting itself now becomes a final product reflecting thought in design, use of color and brushwork, pride in craftsmanship and individual expression.

828 ART HISTORY I (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is a basic introduction to, or survey of art history, where students study the content (painting, sculpture, architecture, etc.) of the major movemens of art in the world. Specific movements to be studied in depth are the Prehistoric and Ancient periods extending to approximately 330 A.D. to expose the first origins of art in the world.

829 ART HISTORY II (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Art History I 828

This course is a study of assigned readings about the Medieval and Renaissance periods extending in time from the 4th century A.D through the 17th century. Emphasis is placed on having the student see the relationships between man's concerns in the past, man's concerns in the present, and the artist's attempt to show these concerns through his art.

830 ART HISTORY III (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Art History II 829

This course is a study of the content of the Baroque and Modern Movements (Neoclassic, Romantic, Realistic, Impressionistic, and Post-Impressionistic) and Contemporary Movements (Abstract, Expressionism and Surrealism).

831 CERAMICS I (901)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811

This is an introductory course that exposes the student to the varied areas of ceramics. It covers the various hand-building and wheel-throwing techniques. Emphasis is placed upon developing good forms and surface decorating.

832 CERAMICS II (902)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Ceramics I 831

This course allows the student to continue to develop the techniques and concepts he was exposed to in Ceramics I. Emphasis is placed on the development of good form and design.

833 CERAMICS III (903)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Ceramics II 832

This course allows the student to continue to develop his techniques and concepts in depth. The chemistry of glaze mixing is introduced and each student is required to mix one glaze. Students are also expected to assist in loading the kiln and preparing glazes for classroom use. Emphasis is placed on the students exploration of new forms and concepts.

834 INTRODUCTION TO TEXTILES (901)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Design II 811

This course is designed to familiarize students with basic techniques and explore the possibilities and limitations of textiles as a fine art. It is recommended for those students who desire to use the basic textile processes as a hobby, as a part of a future career, or as a means to better understand the arts.

835 INTERMEDIATE TEXTILES (902)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Introduction to Textiles 834

In this course students are challenged with new materials and processes. The emphasis is placed upon individual experimentation.

ART DEPARTMENT
continued

836 ADVANCED TEXTILES (903)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Intermediate Textiles 835

This is the most individualized course in the textile program enabling students to pursue their individual ideas in the media of their choice (weaving, knotting, dying and other related fields). Emphasis is placed upon research, experimentation and individual technique.

837 INTRODUCTION TO PHOTOGRAPHY (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course provides basic skills in the technical processes of shooting, develping and enlarging photographs. It is geared to encourage self motivation in areas of personal interest as well as group efforts on specific assignments.

838 INDEPENDENT STUDY IN ART I (None)

Grade:	11, 12
Quarters:	1
Periods per week:	Will vary
Credit:	5 quarter hours
Prerequisite:	This course is recommended for the well prepared and advanced student and is limited to seniors and juniors capable of individual direction. In the latter case, a conference with the art teacher is a prerequisite.

The content for this course is determined for each student after a student-teacher conference based on a written outline presented to the instructor by the student. It is designed for students who wish to explore an area of art in depth.

839 INDEPENDENT STUDY IN ART II (None)

Grade:	11, 12
Quarters:	1
Periods per week:	Will vary
Credit:	5 quarter hours
Prerequisite:	Independent Study in Art I 838

The content for this course is determined for each student after a student-teacher conference based on a written outline presented to the instructor by the student. It is designed for students who wish to explore an area of art in depth.

840 INDEPENDENT STUDY IN ART III (None)

Grade:	11, 12
Quarters:	1
Periods per week:	Will vary
Credit:	5 quarter hours
Prerequisite:	For juniors — a conference with the art teacher

The content for this course is determined for each student after a student- teacher conference based on a written outline presented to the instructor by the student. It is designed for students who wish to explore an area of art in depth.

MUSIC DEPARTMENT

The purpose of music education is to develop in all students significant musical competence, an understanding of music and knowledge of music literature. All students have an opportunity for participation in the music program, limited only by their interest and desire.

A maximum of 30 quarter hours credit in performance courses (870-898) may be counted toward graduation. All credit earned in courses 850-866 may be counted toward graduation.

850 UNDERSTANDING MUSIC (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	None

This course is designed for the student who is interested in exploring the basic raw materials of music from a consumer's rather than a performer's standpoint. The course acquaints student with interesting and valuable examples of music, equips the student with a basic minimum literacy in music, and shows how music is constructed through listening, examining, and sounding.

851 INTRODUCTION TO GUITAR (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Understanding Music 850 or Music Theory I 862

This course is designed to introduce the student to the fundamentals of elementary guitar. The student is exposed to the basics of music theory and chord structure. Many styles are discussed in hopes that the student will have a strong foundation on guitar for the enjoyment of the instrument and for further study. Each student must furnish his own guitar.

852 INTRODUCTION TO THE PIANO KEYBOARD (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Understanding Music 850 or Music Theory I 862

This course is designed to introduce the student to basic keyboard skills. The student is exposed to the basics of music theory and basic chord structures.

853 INTRODUCTION TO THE RECORDER (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Understanding Music 850 or Music Theory I 862

This course is designed to introduce the student to the basic skills of playing the recorder. Each student must furnish his own recorder.

854 ENJOYING MUSIC THROUGH LISTENING I (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	None

This course is designed for the student who is interested in examining present trends in music. Emphasis is on twentieth century sounds, modern techniques with machines and all forms of electronic music. Jazz, folk opera, rock music and the synthesizer have an important place in this course.

855 ENJOYING MUSIC THROUGH LISTENING II (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	None

This course is designed for the student who is interested in a study of music from 1600-1900. The course centers on the important vocal and instrumental forms of the three centuries. Included in these forms are opera, oratorio, and symphonic poem.

856 ENJOYING MUSIC THROUGH LISTENING III (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	None

This course is designed for the student who is interested in a study of music from its earliest beginnings to the fifteenth century. The student is exposed to the earliest vocal and instrumental forms of music. The majority of listening examples center on vocal forms.

857 INSTRUMENT CARE AND REPAIR (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	1 quarter hour
Prerequisite:	Must be an instrumental performer

This course is designed to give the student a basic knowledge of musical instrument repair. In addition to covering simple repairs such as replacing a spit valve, reseating a clarinet pad, etc., preventive maintenance will be thoroughly discussed.

858 ELECTRONICS & ACOUSTICS IN MUSIC (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	None

This course is designed to give the student a basic knowledge of recording equipment and techniques used in capturing the sounds of musical performance. The student experiences how different physical areas can vary musical vibrations. This course deals with other electronic equipment such as speakers, amplifiers, AM-FM tuners and turntables.

859 FUNDAMENTALS OF CONDUCTING (NONE)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	Minimum of two years' participation in a performing group

This course is designed to introduce the student to the basic patterns of conducting. Emphasis is placed on music interpretation through a knowledge of tempos, dynamics, and other musical terminology.

860 CHORAL CONDUCTING (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	Fundamentals of Conducting 859

This is an advanced conducting course for those students who wish to analyze and interpret more difficult music. Emphasis is placed upon various forms of choral literature and their performance.

861 INSTRUMENTAL CONDUCTING (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	3 quarter hours
Prerequisite:	Fundamentals of Conducting 859

This is an advanced conducting course for those students who wish to analyze and interpret more difficult instrumental music. Emphasis is placed upon the reading of full scores and the transposition of instrumental selections.

862 MUSIC THEORY I (960)

Grade.	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

This course is designed for the student who is interested in forming a basic foundation of the raw materials of music. This course will begin with note reading. The student is exposed to clefts, key signatures, scales, musical terminology, and rhythm patterns. Application of this knowledge to the keyboard is expected, as is the ability to take elementary dictation.

863 MUSIC THEORY II (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Music Theory I 862

This course is a sequel to Music Theory I. Emphasis is centered upon the student's understanding of the basic raw materials of music through composition and basic analysis. Intervals, complex rhythmic structure, chord progressions, inversions, as well as composition of simple melodies with choral accompaniment is covered. Dictation includes both rhythmic and melodic dictation.

864 MUSIC THEORY III (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Music Theory II 863

This course includes a more detailed approach to the study of theory through harmonic analysis, musical modes, advanced sight reading and dictation. Much work outside the classroom is required. Music as self-expression is the goal.

865 MUSIC THEORY IV (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Music Theory III 864 and consent of instructor

This course centers primarily on form and analysis. The student demonstrates his knowledge of musical forms through composition. The student continues his study of sight reading and dictation skills. Students may pursue this as independent study.

866 CAREERS IN MUSIC (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None

In this course emphasis is placed on the various possibilities for the musically talented student. The student investigates job and career possibilities, special abilities, and education needed for these jobs.

870 MARCHING BAND — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7½
Credit:	5 quarter hours
Prerequisite:	Previous experience in a band program (May be repeated first quarter yearly)

In this course emphasis is placed on musicianship, bearing, marching fundamentals, and showmanship. The band performs at athletic events, competitive events, and parades.

871 CONCERT BAND — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7½
Credit:	5 quarter hours
Prerequisite:	Previous band experience. (May be repeated as desired 2nd and 3rd quarters yearly)

This course is designed for the less experienced percussion and wind instrument performer. It is a continued study designed to promote technical proficiency on individual instruments and at the same time to teach the techniques of ensemble and full band performance.

872 SYMPHONIC BAND — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7½
Credit:	5 quarter hours
Prerequisite:	Previous band experience and audition by director. (May be repeated 2nd and 3rd quarters yearly).

This course is composed of select wind and percussion instrument students who are musically proficient. Continued emphasis is given to the development of musicianship through progressive technical studies and more difficult compositions.

873 JAZZ ENSEMBLE — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	Consent of Instructor. (May be repeated all quarters yearly)

This group has a limited number of performers interested in the traditional modern jazz ensemble.

874 PERCUSSION ENSEMBLE — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Must perform in band program. (May be repeated all quarters yearly)

Many elements of percussion performance is stressed in this course. In addition to performing a wide range of available percussion litertaure some original composition work is done.

875 WOODWIND CHOIR — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Must perform in band program. (May be repeated all quarters yearly)

This course is designed for the outstanding woodwind performer. This ensemble experience will result in a growing and more discriminating musicianship on the part of the individual participant. Many elements of musical performance are stressed: phrasing, balance, blend, articulation, intonation and general musical interpretation.

876 BRASS CHOIR — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Must perform in band program. (May be repeated all quarters yearly)

This course is designed for the outstanding brass performer. This ensemble experience will result in a growing and more discriminating musicianship on the part of the individual participant. Many elements of musical performance are stressed: phrasing, balance, blend, articulation, intonation and general musical interpretation.

877 BAND ENSEMBLE — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Consent of instructor. (May be repeated all quarters yearly)

This course offers the student an excellent opportunity for performance in small groups or ensembles. The student is exposed to some of the best literature available for his particular instrument.

878 FUNDAMENTALS OF IMPROVISATION — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Must be a performer

Through this course the student obtains the basic theory and knowledge required to create music spontaneously. The student learns through lectures, listening to recordings, live performances, and participation.

879 BEGINNING STRING CLASS — Performance (None)

Grade:	9, 10, 11
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	Consent of instructor (May be repeated)

This course is designed for the beginning string student. Instruction is given on violin, viola, cello and string bass. The course covers the basic fundamentals of string performance and helps the student reach the playing level of the cadet orchestra.

880 CADET ORCHESTRA — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7½
Credit:	5 quarter hours
Prerequisite:	Consent of instructor. (May be repeated all quarters yearly)

This course is designed for the inexperienced string performer. Through this course the students learn and develop the basic techniques and playing style necessary to participate in the Concert Orchestra.

881 CONCERT ORCHESTRA — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7½
Credit:	5 quarter hours
Prerequisite:	Previous orchestra experience and audition by director. (May be repeated all quarters yearly)

This course is offered for the more serious and experienced orchestral performer. Much responsibility is placed on the individual.

882 STRING LITERATURE (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	Two years' experience in Cadet or Concert Orchestra

This course is designed for the serious string student. The history of music is traced through studying and listening to string literature from all the different musical periods.

883 STRING ENSEMBLE — Performance (None)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Consent of instructor. (May be repeated all quarters yearly)

This course offers the string student an excellent opportunity for performance in small groups or ensembles. The student is exposed to some of the best literature available for his particular instrument.

884 STRING LESSON — Performance (None)

Grade:	9
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None. (May be repeated all quarters yearly)

This course is designed for the string student who needs individual instruction.

885 FRESHMAN GIRLS CHORUS — Performance (None)

Grade:	9
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None (May be repeated all quarters)

This course is designed to introduce the 9th grade girl to a choral group. Emphasis is placed upon good breathing techniques, posture, diction, sight reading, and being a part of a well balanced performing group.

886 FRESHMAN BOYS CHORUS — Performance (None)

Grade:	9
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None (May be repeated all quarters)

This course is designed to introduce the 9th grade boy to a choral group. Emphasis is placed upon good breathing techniques, the changing voice, posture, diction, sight reading and being a part of a well balanced performing group.

887 FRESHMEN MIXED CHORUS — Performance (None)

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	Recommendation of middle school vocal director. (May be repeated all quarters)

This course is designed for the student who has a well trained ear and the ability to read music. The music performed is the beginning of a good four part choral foundation.

888 SOPHOMORE GIRLS CHORUS — Performance (None)

Grade:	10
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None (May be repeated all quarters)

This course is a sequel to Freshmen Girls Chorus with continued emphasis on tone quality, sight reading, etc. The music performed is more advanced and centers primarily on three parts.

889 SOPHOMORE BOYS CHORUS — Performance (None)

Grade:	10
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None (May be repeated all quarters)

This course is a sequel to Freshmen Boys Chorus with continued emphasis on tone quality, sight reading, etc. The music performed is more advanced, centers primarily on three and four part choral literature.

MUSIC DEPARTMENT
continued

890 SOPHOMORE MIXED CHORUS — Performance (None)

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	Consent of instructor. (May be repeated all quarters)

This course is a sequel to Freshmen Mixed Chorus with continued emphasis on the ability to sight read and the performance of more advanced four part choral literature.

891 ADVANCED GIRLS CHORUS — Performance (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None (May be repeated)

This course is designed for the girl who has developed her voice through one or two years in the high school choral program and is interested in the performance of choral literature for women's voices.

892 ADVANCED BOYS CHORUS — Performance (None)

Grade:	11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	None (May be repeated)

This course is designed for the boy who has developed his voice through one or two years in the high school choral program and is interested in the performance of choral literature for men's voices.

893 A CAPPELLA CHOIR — Performance (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	Consent of instructor (May be repeated)

In this course emphasis is placed on the performance of various forms of vocal literature throughout the entire choral spectrum. The performing students benefit from regularly scheduled concerts before school and community organizations. Virtuoso technical ability is required of all participants.

894 CHORALE — Performance (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	3 quarter hours
Prerequisite:	Consent of instructor (May be repeated)

Virtuoso technical ability is required of all participants.

895 FOLK ENSEMBLE — Performance (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Consent of instructor (May be repeated all quarters)

This course is designed for the student who wishes to participate in a small performing group made up of instrumentalists and vocalists. Students should have a solid background in their instruments and singers should be able to harmonize.

896 BARBER SHOP CHORUS — Performance (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	None (May be repeated)

This course is designed to introduce a boy to the style of barbershop singing. Emphasis is placed upon the tone quality, balance between voice parts, smooth blend, and sight reading.

897 BARBER SHOP QUARTET — Performance (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	2
Credit:	2 quarter hours
Prerequisite:	Consent of instructor (May be repeated all quarters)

This course is open to boys who excel in the barbershop chorus. A boy who is a member of a quartet should display good tone quality, sight reading ability and enjoy the repertoire of barbershop music.

898 THE MUSIC THEATRE — Performance (None)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	Previous choral experience (May be repeated)

This course contains examples of the musical stage with emphasis on the Broadway Musical. Students study the scores of selected productions with emphasis given to the lyrics and their content and relationship to the subject. Students perform cuttings of selected productions.

PHYSICAL EDUCATION

Physical Education has great social impact. It benefits the moral, mental and spiritual fitness. It provides opportunity for the participation by all students, regardless of age, sex or physical abilities. Because of the shortened work-week, more and more time is being devoted to the sports in which individuals can participate for the rest of their lives. These values are reflected in the program.

As a guide, the following requirements are listed:

1) Every student must be enrolled in at least one class in Health, Physical Education or Driver Education each quarter he is in school.
2) Each student must pass two courses in Health.
3) Each student must pass nine activity courses to meet graduation requirements.

64

PHYSICAL EDUCATION

4) Freshmen are all required to take the following courses:
   a) Physical Education Orientation, Boys 904, Girls 943.
   b) Health (Drugs, Tobacco, Alcohol & Mental Health) 900
   c) One quarter of a team sport activity (elective)

5) Sophomores are required to take the following Health course:
   a) Sex Education and Current Health Problems 901

6) During the 1974-75 school year all juniors (11th grade) are required to take the following Health course:
   a) Sex Education and Current Health Problems 901

NOTE: All courses marked "Coed" may be taught coeducationally if demand warrants.

BOYS & GIRLS

900 DRUGS, TOBACCO, ALCOHOL, AND MENTAL HEALTH — Coed

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None
	REQUIRED FOR GRADUATION

In this course students learn basic information upon which they can make educated decisions when confronted with Drugs, Tobacco and Alcohol. It includes the psychological, physiological and sociological affects of their use and abuse. It also acquaints the student with sound mental health practices.

901 SEX EDUCATION & CURRENT HEALTH PROBLEMS — Coed

Grade:	10
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None
	REQUIRED FOR GRADUATION

In this course students learn how the human body works in relation to sexual development. Areas of concentration are reproduction, venereal disease, dating, marriage, family living, choice of a sexual code of conduct and problems that arise from these areas. Also included in this unit is a study of care of the human body, disease prevention and control, consumer health and environment.

902 FIRST AID & SAFETY EDUCATION — Coed

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	None

In this course the student learns first aid methods and skills needed to meet emergency problems as well as preparation for Red Cross certification. They acquire general knowledge and understanding of safe living with the aim of preventing accidents.

* 903 ANATOMY, PHYSIOLOGY & DISEASES OF MAN

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	5 quarter hours
Prerequisite:	Biology (at least one quarter)

In this course students learn about the body, its structure, and how and why it works the way it does. Human diseases and the resulting problems, plus the control and prevention of these diseases is studied.

BOYS PHYSICAL EDUCATION

904 PHYSICAL EDUCATION ORIENTATION

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None
	REQUIRED FOR GRADUATION

This course is a basic introduction to many individual and team sports, low organization games and relays, outdoor recreation, physical fitness, rhythmic fundamentals and gymnastic activities. It is a good foundation course for continuing in the physical education program.

905 SOCCER, SPEEDBALL, SPEED AWAY I
(Fall or spring quarters only)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course, rules, fundamentals and basic skills that are prerequisite to an advanced course in Soccer, Speedball, Speed Away II are studied. (*Soccer*: European team sport played primarily by kicking a ball across a goal on football type field. *Speedball and Speed Away*: Variations of soccer).

906 GAMES AND RELAYS

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students are introduced to rules, regulations, skills and participation in team games such as line soccer, line basketball, dodge ball, etc.

907 BASKETBALL, VOLLEYBALL, PADDLEBALL I

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the rules, fundamentals, basic skills of basketball, volleyball and paddleball. (*Basketball*: dribbling, shooting, passing skills and other movements involved in the game. *Volleyball*: techniques of serving, setting, spiking and defensive skills of the game. *Paddleball*: Teaching techniques which involve rhythm, coordination and agility.)

908 FLICKERBALL, FLAG FOOTBALL, GOALBALL I
(Fall and Spring quarters only)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the rules, fundamentals and basic skills of flickerball, flag football, goalball, (*Flickerball*: development of basic skills of passing used in American football. *Flag football*: variation of football with minimum body contact. *Goalball*: variation of flickerball using same general skills.)

909 ICE HOCKEY, ROLLER SKATING, TEAM HANDBALL I (Winter Quarter Only)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the rules, fundamentals, and basic skills that are prerequisite to ice hockey, roller skating and team handball II. (*Ice hockey*: skating, passing and shooting skills involved in the game. *Roller Skating*: skating skills, movements and techniques for individual and partner(s) skating. *Team Handball*: game similar to water polo, played on land rather than water.)

911 SOCCER, SPEEDBALL, SPEED AWAY II
(Fall or spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Soccer, Speedball, Speed Away I 905

In this course emphasis is on team play, strategy and competition.

912 BASKETBALL, VOLLEYBALL, PADDLEBALL II

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Basketball, Volleyball, Paddleball I 907

In this course emphasis is on team play, strategy and competition of basketball, volleyball and paddleball.

913 FLICKERBALL, FLAG FOOTBALL, GOALBALL II
(Fall or spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Flickerball, Flag Football, Goalball I 908

In this course emphasis is on team play, strategy and competition.

• 914 ICE HOCKEY, ROLLER SKATING, TEAM HANDBALL II

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Ice Hockey, Roller Skating and Team Handball I 909

In this course emphasis is on team play, strategy and competition of ice hockey, roller skating and team handball.

915 SOFTBALL, TRACK AND CROSS COUNTRY II

(Fall and spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Softball, Track and Indoor Recreation 921

In this course advanced skills in softball, track, and cross country are developed.

917 RECREATION GAMES AND BOWLING — Coed

Grade:	11, 12
Quarters:	1
Periods per week:	5 (Twice a week, 2 periods together, plus 1 period classroom)
Credit:	2 quarter hours
Prerequisite:	None

In this course the fundamentals and rules of badminton, table tennis, shuffleboard, four square, hop scotch, bean bag, indoor horseshoe, tetherball, floor hockey and bowling are studied. *ALL FEES PAID BY STUDENT.*

• 918 ROLLER SKATING — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course rules, regulations, individual skills and techniques for participation in roller skating and figure skating are studied.

• 919 SNOW SKIING — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course rules, regulations, individual skills and techniques for participation in the various forms of downhill and/or cross country skiing are studied.

• 920 FENCING AND SELF DEFENSE — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This is a course in fencing and self-defense. (Fencing — basic skills of foil fencing, leading to single match bouts. Self-defense — basic tactics in various self defense situations.)

921 SOFTBALL, TRACK AND INDOOR RECREATION

(Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students study and participate in softball, track and field, and indoor recreation. Importance is placed on basic skill development and knowledge of the rules.

BOYS PHYSICAL EDUCATION
continued

922 OUTDOOR RECREATION — Coed
(Fall and spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn skills, safety procedures and techniques for participation in hiking, horseback riding, camping, canoeing and bicycling. (Must be available weekends to take course.) *ALL FEES PAID BY STUDENT.*

923 PADDLEBALL, TENNIS AND BADMINTON — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course the student learns the rules, regulations and individual skills required for effective participation in tennis, paddleball and badminton.

924 GOLF - ARCHERY — Coed
(Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This course offers both archery and golf. Emphasis is placed on basic skill development, knowledge of the rules, and participation.

925 PHYSICAL FITNESS, WEIGHT TRAINING AND WRESTLING

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn rules, regulations, individual skills necessary to achieve personal physical fitness using varied techniques. Weight training techniques and safety procedures as well as wrestling fundamentals and basic skills are included.

927 TUMBLING, FREE EXERCISE, STUNTS, ROPES & RINGS — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the rules, regulations, individual skills and techniques necessary for individual participation in events of still and traveling rings, tumbling, free exercise, rope climbing, pyramid building and circus stunts.

928 TRAMPOLINE AND GYMNASTICS — Coed

Grade:	10, 11
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This course includes the following areas: rebound tumbling (trampoline) and gymnastics. Importance is placed on basic skill development.

929 ADVANCED GYMNASTICS

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Trampoline & Gymnastics 928 or consent of instructor

In this course emphasis is placed upon advanced individual skills and techniques on gymnastic apparatus. The opportunity to specialize is offered each student.

930 FOLK, SQUARE & SOCIAL DANCE — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the fundamentals of rhythm. Square, round, line and couple dances are taught.

932 SWIMMING I — Coed (Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (Two periods together twice a week, plus one period classroom)
Credit:	2 quarter hours
Prerequisite:	Consent of instructor with proficiency test as a guide

In this course students learn the basic skills of swimming for the Red Cross beginning and advanced beginning course.

933 SWIMMING II — Coed (Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (two periods together twice a week, plus one period classroom)
Credit:	2 quarter hours
Prerequisite:	Red Cross Advanced, Beginners Card or consent of instructor with proficiency test as a guide.

In this course the student learns the basic skills of swimming and stroking as set down by the Red Cross in intermediates and swimmers. Practice of standing front dive and front springboard dive from low diving board is included.

934 SWIMMING III — Coed — Life Saving, Advanced Swimming (Fall & Spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (two periods together, twice a week, plus one period classroom)
Credit:	2 quarter hours
Prerequisite:	Current Red Cross Swimmers card or consent of instructor with proficiency test as a guide. Must be 11 years of age for Jr. 15 for Sr. Life Saving.

This Red Cross course is set up to teach the skills for saving a life in the water and other safety techniques. Advanced swimming deals with the learning of advanced strokes required to get into the water safety instructors course.

BOYS PHYSICAL EDUCATION
continued

* 935 SWIMMING IV (Water Safety Instruction) — Coed

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Advanced Swimming, Senior Lifesaving, First Aid, 17 years of age. Must be taught by current W.S.I. Trainer. Must take proficiency test, if do not have a current lifesaving card.

In the first half of this course students aquire perfection of all strokes and endurance. The second half includes the techniques of teaching swimming at all levels.

* 936 SWIMMING V (Springboard Diving and Scuba) — Coed.

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Swimming I 932 and Swimming II 933. Consent of instructor with proficiency test as a guide.

In this course students perfect basic diving skills learned in Swiming I and II and learn the more advanced dives. Scuba diving inculdes the proper use of equipment in water, care of equipment, basic physics principles divers should know, diving ailments and safety hints.

* 937 WATER SKIING

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	First Aid 902 and Intermediate Swimming 933

In this course students learn the skills and techniques involved in water skiing including safety procedures in operating motor powered boats.

* 938 WATER POLO I

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Swimming proficiency — consent of instructor

In this couse a student learns the rules and regulations, fundamentals, basic skills and techniques involved in water polo. This is a team sport involving swiming, treading water, passing a round ball to goals at either end of a pool.

* 939 WATER POLO II

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Water Polo I 938

In this course emphasis is placed on team play, strategy and competition in water polo.

940 ADAPTIVE PHYSICAL EDUCATION (Limited) — Coed

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Inability to perform any or all physical requirements of a specified activity due to handicap.

In this course the student is enrolled in a regular activity class, but will be individually scheduled within the group to perform tasks according to his capabilities.

* 941 ADAPTIVE PHYSICAL EDUCATION (Special)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Recommendation of Medical Doctor

In this course the student performs such physical activity as will meet the specified requirements for rehabilitation of the student.

942 LEADERS

Grade:	10, 11, 12
Quarters:	2
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Consent of instructor

In this course students assist a teacher two or three times a week during a free period in addition to regular class enrollment. Duties include attendance taking, demonstrations, refereeing, skill testing and care of equipment. Leaders receive special instruction in all phases of the physical education program.

GIRLS PHYSICAL EDUCATION

943 PHYSICAL EDUCATION ORIENTATION — Coed

Grade:	9
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None
	REQUIRED FOR GRADUATION

This course is a basic introduction to many individual and team sports, outdoor recreation, physical fitness, rhythmic fundamentals and gymnastic activities. It is a good foundation course for continuing in the physical education program.

944 TEAM SPORTS I-A (Fall and spring quarters only)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This is a course in the basic skills and rules of soccer, flag football and volleyball.

945 TEAM SPORTS I-B (Fall and spring quarters only)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

GIRLS PHYSICAL EDUCATION
continued

This is a course in the basic skills and rules of speedaway, field hockey and team handball.

946 TEAM SPORTS I-C (Fall and spring quarters only)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None *

This is a course in the basic skills and rules of speedball, softball and basketball.

947 TEAM SPORTS I-D (Winter quarter only)

Grade:	9, 10
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This is a course in the basic skills and rules of basketball and volleyball.

949 TEAM SPORTS II-A (Fall and spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Team Sports I-A 944

In this course emphasis is placed on learning more advanced skills and playing the games of flag football and volleyball.

950 TEAM SPORTS II-B (Fall and spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Team Sports I-B 945, I-C 946

In this course emphasis is placed on learning more advanced skills and playing the games of field hockey and basketball.

951 TEAM SPORTS II-C (Fall and spring quarters only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Team Sports I-C 946

In this course students learn more advanced skills and play the games of speedball and softball.

952 TEAM SPORTS II-D (Winter quarter only)

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Team Sports I-D 947

In this course students learn more advanced skills and play the games of basketball and volleyball.

* 954 TEAM SPORTS III-A

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Team Sports II-A 949, II-B 950

This course in volleyball and basketball includes advanced strategies and tactics of each sport. Emphasis on officiating and coaching is included.

* 955 TEAM SPORTS III-B

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Team Sports II-C 951

This course is a concentrated study in strategy of softball and the techniques of coaching dealing with line-ups, substitutions, squeeze plays, etc. Also, this course includes the correct techniques of officiating a game.

957 INDIVIDUAL & DUAL SPORTS I-A

Grade:	10, 11
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

A four week course is offered in each of the following: *Ballet*: basic ballet body positions and exercises at the barre and on the floor. *Tumbling*: perform and spot beginning tumbling skills. *Floor exercise*: combine tumbling skills and movements with music.

* 958 INDIVIDUAL & DUAL SPORTS I-B — Coed

Grade:	10, 11
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This is a course in fencing and self defense. *Fencing*: basic skills of foil fencing leading to single match bouts. *Self defense*: basic tactics in various self defense situations.

959 INDIVIDUAL & DUAL SPORTS I-C

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

This course includes three four-week units in Outdoor Recreation, Yoga and Slimnastics. (*Outdoor Recreation*: croquet, badminton, horseshoes, etc. *Yoga*: exercises, relaxation and concentration. *Slimnastics*: weight training, body conditioning and diet.)

960 INDIVIDUAL & DUAL SPORTS I-D — Coed
(Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course both archery and golf is offered. Importance is placed upon basic skill devlopment and knowledge of the rules with activity in each.

961 INDIVIDUAL & DUAL SPORTS I-E — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn rules, regulations and individual skills required for effective participation in tennis, paddle ball and badminton.

GIRLS PHYSICAL EDUCATION
continued

962 INDIVIDUAL & DUAL SPORTS I-F — Coed
(Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course instruction in softball, track and field and indoor recreation is included. Importance is placed upon basic skill development and knowledge of the rules.

963 INDIVIDUAL & DUAL SPORTS I-G — Coed
(Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the skills, safety procedures and techniques involved in hiking, horseback riding, camping, canoeing and bicycling. Students must be available for some weekends. *ALL FEES PAID BY STUDENT.*

964 RECREATION GAMES & BOWLING — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (two periods together twice a week, plus one period classroom)
Credit:	2 quarter hours
Prerequisite:	None

In this course the student learns the fundamentals and rules of badminton, table tennis, shuffleboard, four square, hopscotch, bean bag, indoor horseshoe, tetherball, floor hockey and bowling. *ALL FEES PAID BY STUDENT.*

* 965 ROLLER SKATING — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course the student learns the rules, regulations, individual skills and techniques required to participtae in roller skating and figure skating.

* 966 SNOW SKIING — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course the student learns rules, regulations, individual skills and techniques for participation in the various forms of downhill and/or cross country skiing.

* 967 GOLF

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Individual & Dual Sports I-D 960 or consent of instructor

In this course the student learns proper use of clubs in play, the principles of ground shots in difficult positions and the rules of conduct and etiquette on the course.

* 969 INDIVIDUAL & DUAL SPORTS II-A

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Individual & Dual Sports I-E 961 or consent of instructor

This course in tennis emphasizes the perfection of tennis skills and the strategy of playing singles and doubles games.

970 INDIVIDUAL & DUAL SPORTS II-B

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Individual & Dual Sports I-F 962 or consent of instructor

In this course the student develops advanced techniques in sprints, hurdles, relays, broad jumps, high jump and long distance events. Strategies and psychological aspects of winning is included.

972 GYMNASTICS I-A — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course the student learns the rules, regulations, individual skills and techniques for individual participation in events of still and traveling rings, tumbling, free exercise, rope climbing, pyramid building and circus stunts.

973 GYMNASTICS I-B — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course each of the following areas is studied: rebound tumbling, trampoline and gymnastics. Importance is placed on basic skill development.

* 974 GYMNASTICS II

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Gymnastics I-A 972, I-B 973 or consent of instructor

This course includes intermediate tumbling and intermediate apparatus. (*Tumbling*: advanced tumbling progression and spotting techniques. *Apparatus*: creative routines in the areas of balance beam, uneven bars and flight vaulting with emphasis on gymnatsics fundamentals.

* 975 GYMNASTICS III

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Instructor's approval

In this course emphasis is placed on advanced gymnastics in the areas of balance beam, uneven bars, flight vaulting and floor exercise, involving both standard and creative routines.

GIRLS PHYSICAL EDUCATION
continued

977 FOLK, SQUARE & SOCIAL DANCE I — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course students learn the fundamentals of rhythm, square, round, line and couple dances.

978 DANCE I-A

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course units are offered in Jazz dance and rhythmic gymnastics. Tap dance is included when practical.

979 DANCE I-B

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	None

In this course the student learns the various skills required in modern dance.

* 980 ORCHESIS

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Dance I-A 978, Dance I-B 970 and approval of instructor

This is an intermediate to advanced course in all phases of dance. Emphasis is placed upon the mastery of stage production.

982 SWIMMING I — Coed (Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (two periods together twice a week plus one period classroom)
Credit:	2 quarter hours
Prerequisite:	Consent of instructor with proficiency as a guide

In this course the basic skills of swimming for the Red Cross *beginning* and *advanced beginning* courses are taught. Beginning front dive is included.

983 Swimming II — Coed (Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (two periods together twice a week plus one period classroom)
Credit:	2 quarter hours
Prerequisite:	Red Cross advanced beginners card or consent of instructor with proficiency test as a guide.

In this course students learn the basic skills of swimming and stroking as set down by the Red Cross in intermediates and swimmers. Practice of standing front dive and learning front springboard dive from a low diving board is included.

984 SWIMMING III — Coed (Fall and spring quarters only)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5 (two periods together twice a week plus one classroom)
Credit:	2 quarter hours
Prerequisite:	Current Red Cross swimmers card or consent of instructor with proficiency test as a guide. Must be 11 years of age for junior, 15 years of age for senior lifesaving.

This Red Cross course is set up to teach the skills in saving a life in the water and other safety techniques. Advanced swimming deals with learning advanced strokes required to get into the Water Safety Instructor's course.

* 985 SWIMMING IV — Coed

Grade:	11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Advanced swimming and lifesaving, age requirement of at least 17. Course must be taught by current Water Safety Intsructor trainer. Must take proficiency test unless student possesses current lifesaving card.

In this course the first half is spent on the perfection of all strokes and endurance; the second half includes the techniques of teaching swimming at all levels.

* 986 SWIMMING V — Coed

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Swimming I 982, II 983 or consent of instructor, with proficiency test as a guide.

In this course perfection of the basic diving skills learned in Swimming I and Swimming II are reviewed and advanced diving is introduced. Scuba diving is included (use of equipment, care of equipment, diving ailments and safety hints).

* 987 SWIMMING VI

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Swimming I 982, II 983 or consent of instructor

In this course the basic diving and swimming skills previously learned are applied to musical routines by creating, designing and practicing dance movements in the water.

988 ADAPTIVE PHYSICAL EDUCATION (Limited) — Coed

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Inability to perform any or all physical requirements of a specified activity due to handicap

GIRLS PHYSICAL EDUCATION
continued

In this course students enroll in a regular activity class but are individually scheduled within the group to perform tasks according to their capabilities.

* 989 ADAPTIVE PHYSICAL EDUCATION (Special)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Recommendation of Medical Doctor

In this course the student performs such physical activity as will meet the specified requirements for rehabilitation of the student.

990 LEADERS

Grade:	10, 11, 12
Quarters:	1
Periods per week:	5
Credit:	2 quarter hours
Prerequisite:	Consent of instructor

In this course students assist a teacher two or three times a week during a free period in addition to regular class enrollment. Duties include attendance taking, demonstrations, refereeing, skill testing and care of equipment. Leaders receive special instruction in all phases of the physical education program.

DRIVER EDUCATION

The driver education course is designed to provide a sound foundation of the principle habits and skills necessary for safe driving. A student who succesfully completes the basic course is not to be considered an accomplished driver and should be closely supervised for at least one year.

993 DRIVER EDUCATION (Classroom & Behind the Wheel combined) (963)

Grade:	9, 10, 11, 12
Quarters:	1
Periods per week:	7
Credit:	5 quarter hours (3 classroom, 2 lab)
Prerequisite:	15½ years of age upon completion of the course. Social Security number
REQUIRED:	The required license fee and parental approval to apply for a State instruction permit. The student must receive an instruction permit by passing the State written sign and eye test during the first week of class.

This course combines the classroom and behind-the-wheel instruction in an integrated program. A minimum of 30 hours in classroom instruction is required, in which the student is expected to master the basic mental and visual tasks required for safe driving.

For the Driving phase, a minimum of six equivalent hours is required. (Behind-the-wheel, Range, Simulation.) The basic classroom ideas and concepts are applied to the driving phase. Habits and skills are developed for residential, city and highway driving with special emphasis on specific maneuvers.

Those students who fail to meet the minimum state requirements of 30 hours of classroom and 6 equivalent hours of driving will be required to repeat the course.

996 ADVANCED DRIVER EDUCATION (None)

Grade:	11, 12
Quarters:	1
Periods per week:	2
Credit:	1 quarter hour
Prerequisite:	Driver Education 993 and consent of instructor

CLASSROOM: Approximately 8 hours of instruction. The areas covered include: demonstration of breathalyzer, Traffic Court, State and Local Enforcement officers, Insurance, Vehicle selection and personal car maintenance, and occupational driving.

LABORATORY PHASE: The lab consists of 8 hours of training in stick-shift, night driving, evasive maneuvers.

994 DRIVER EDUCATION CLASSROOM ONLY (961)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	4
Credit:	3 quarter hours
Prerequisite:	15½ years of age.

This course is designed for the student who has failed 993 or desires to take only the classroom phase required by law.

995 DRIVER EDUCATION BEHIND THE WHEEL ONLY (962)

Grade:	10, 11, 12
Quarters:	1
Periods per week:	3
Credit:	2 quarter hours
Prerequisite:	Social Security number and instruction permit

This course is designed for students who have *NOT* passed the driving phase of Driver Education.